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S A R N I A O X I D A N T

S T U D Y

Air Quality Data from Fixed
Monitoring Sites

ARB 024-85-ARSP
November, 1984

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Air Quality Data from Fixed
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November, 1984

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INTRODUCTION

Ambient air quality data from fixed monitoring sites in the area of the Sarnia Oxidant Study were gathered by the Ontario Research Foundation for the Lambton Industrial Society, by Ontario Hydro, private industries, York University, and the Ontario Ministry of the Environment. Most, but not all, of the data gathered for the period of June 26 to July 18, 1984 is included in this report. Data excluded are:

- data collected by monitoring vans operated by York University and MOE as fixed monitoring sites (see References 1-3 for these data).
- data for suspended particulates except soiling index at MOE stations.
- sulphur dioxide data except data collected at MOE stations.
- data collected using fluoridation candles and fluoride monitors.
- total reduced sulphur data.

Table 2 indicates the location of the various monitoring stations which are also shown on Figures 1 or 2. Table 3 summarizes the results of audits and calibrations of monitors around the time of the Sarnia Oxidant Study. The air quality data follows Table 3.

Note that all times in this report are given in Eastern Standard time.

REFERENCES:

1. D. R. Hastie and I. I. Schiff, "Results of the 1984 Sarnia Oxidants Study", York University, Dept. of Chemistry Report.
2. Ontario Ministry of the Environment, Report ARB 021-85-ARSP, "Sarnia Oxidant Study, June and July, 1984: Continuously Monitored Ambient Air Data - Mobile Air Monitoring Unit #1 at Camlachie and Mobile Air Monitoring Unit #2 and #3 at Courtright", December 1984.
3. Ontario Ministry of the Environment. Report ARB 022-85-ARST, "Sarnia Oxidant Study, June and July, 1984: Gas Chromatographic Data".

S A R N I A O X I D A N T

S T U D Y

Air Quality Data from Fixed
Monitoring Sites

ARB 024-85-ARSP
November, 1984

T A B L E S

Table 1

AIR QUALITY PARAMETERS IN REPORT

Data provided in report (1)

[illegible]

Table 2 - Station Locations

Station	UTM Co-ordinates	Station	UTM Co-ordinates
Huron View Nursery Sarnia Twp.	03959-47637	14016 Courtright	03793-47397
		14062 Sarnia	03878-47578
Grace Church Sarnia	03880-47613	14064 Sarnia	03854-47596
River Bend Corunna	03813-47481	14118 Wyoming	04027-47564
		14119 Thedford	04303-47798
LaSalle Road Sarnia Twp.	03848-47518	15001 London	04818-47596
Sixth Line Moore Twp.	03837-47437	15013 Parkhill	04448-47793
Front Street Sarnia	03852-47586	18007 Bruce Cty.	04541-49053
Scott Road Sarnia	03862-47564		
10001 Huron Park	04592-47931		
12008 Windsor	03316-46867		
13021 Merlin	03991-46776		
14004 Bickford Sombra Twp.	03808-47343		

Table 3

Ozone Audit/Calibrations by ARB

	Huron View Nursery	Grace River Church Bend	Front Street	Huron Park 10001	Windsor 12008	Merlin 13021	Sarnia 15064	Wyoming 14118	Thedford 14119	London 15001	Parkhill 15013	Bruce 18007
Apr. 11										-13%		
12					-17%							
13						Pass						
May 18									Pass			Pass
22				Pass			Pass	+15%			Pass	
23												
June 25				Pass		+15%			Pass	(1) -25%	Pass	
26					Pass		Pass	Pass				
27		+15%		Pass								
28			+17%					Pass				
July 23												Pass
9				Pass								
16							Pass	Pass	Pass	Pass	Pass	
18	Pass		-14%									
Sept. 12												Pass
18					-12%	Pass						
19										Pass		
Oct. 17				Pass								
18				Pass			Pass	Pass	Pass		Pass	

Table 3

NO/NO₂ Audit/Calibrations by ARB

	Huron View Nursery	Grace Church	River Bend	Front Street	Windsor 12008	Sarnia 14064	London 15001
April 11 12					Pass		Pass
May 23						Pass	
June 26 28			NO+17%		Pass	NO+13%	Pass
July 16						NO-17%	
Sept. 18 19					Pass		Pass
Oct. 18						Pass	

Table 3

Hydrocarbon Audit/Calibration by ARB

	River Bend	LaSalle Road	Sixth Line	Scott Road	Windsor 12008	Sarnia 14064	London 15001
June 25					Pass		
26						Pass	Pass
28	Fails						

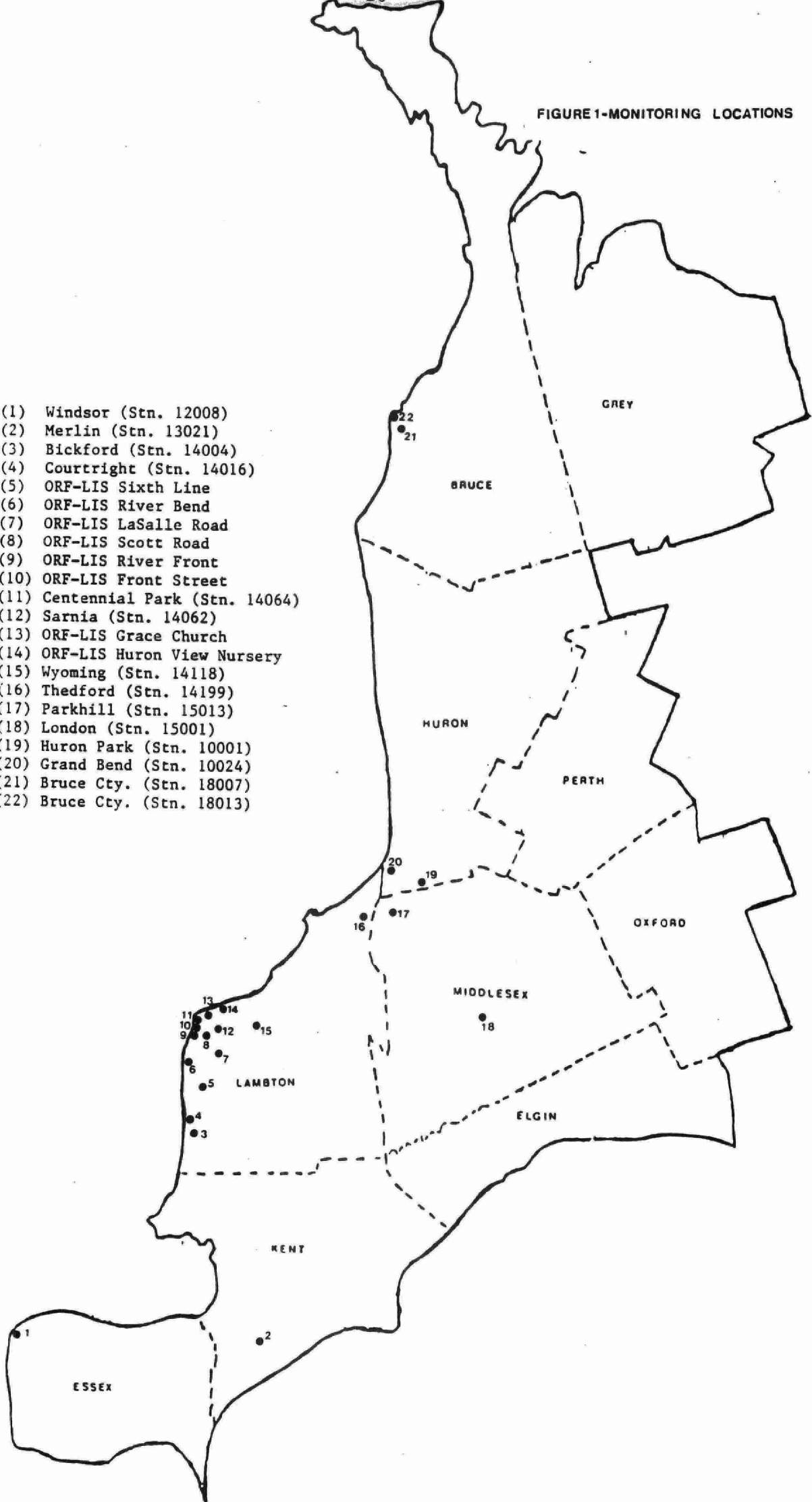
Table 3

SO₂ Audit/Calibrations by ARB

	Windsor 12008	Bickford 14004	Courtright 14016	Sarnia 14062	Sarnia 14064	London 15001	Bruce 18007
April 11	Pass					Pass	
May 18 23		Pass	Pass	Pass	Pass		Pass

FIGURE 1-MONITORING LOCATIONS

- (1) Windsor (Stn. 12008)
- (2) Merlin (Stn. 13021)
- (3) Bickford (Stn. 14004)
- (4) Courtright (Stn. 14016)
- (5) ORF-LIS Sixth Line
- (6) ORF-LIS River Bend
- (7) ORF-LIS LaSalle Road
- (8) ORF-LIS Scott Road
- (9) ORF-LIS River Front
- (10) ORF-LIS Front Street
- (11) Centennial Park (Stn. 14064)
- (12) Sarnia (Stn. 14062)
- (13) ORF-LIS Grace Church
- (14) ORF-LIS Huron View Nursery
- (15) Wyoming (Stn. 14118)
- (16) Thedford (Stn. 14199)
- (17) Parkhill (Stn. 15013)
- (18) London (Stn. 15001)
- (19) Huron Park (Stn. 10001)
- (20) Grand Bend (Stn. 10024)
- (21) Bruce Cty. (Stn. 18007)
- (22) Bruce Cty. (Stn. 18013)



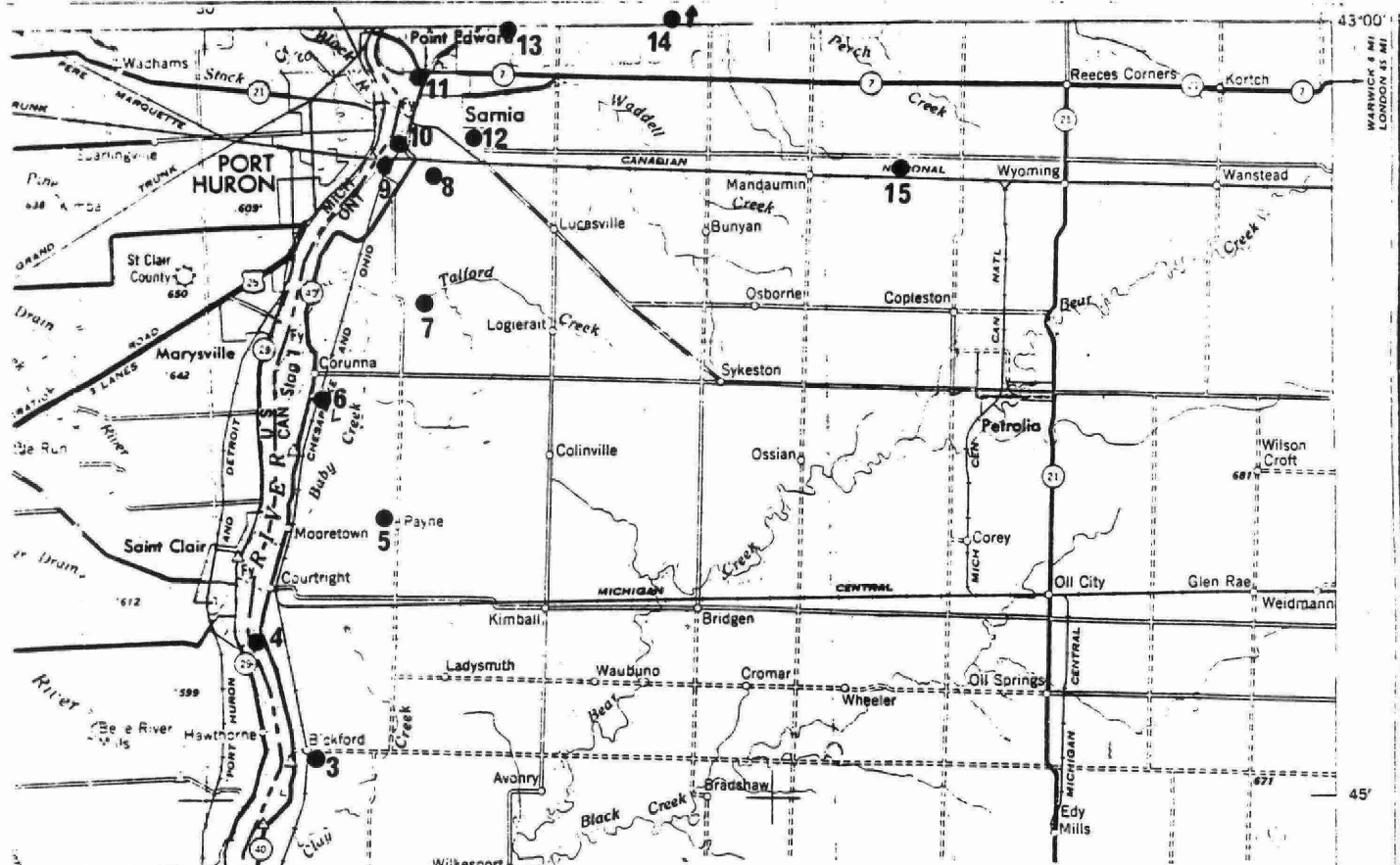
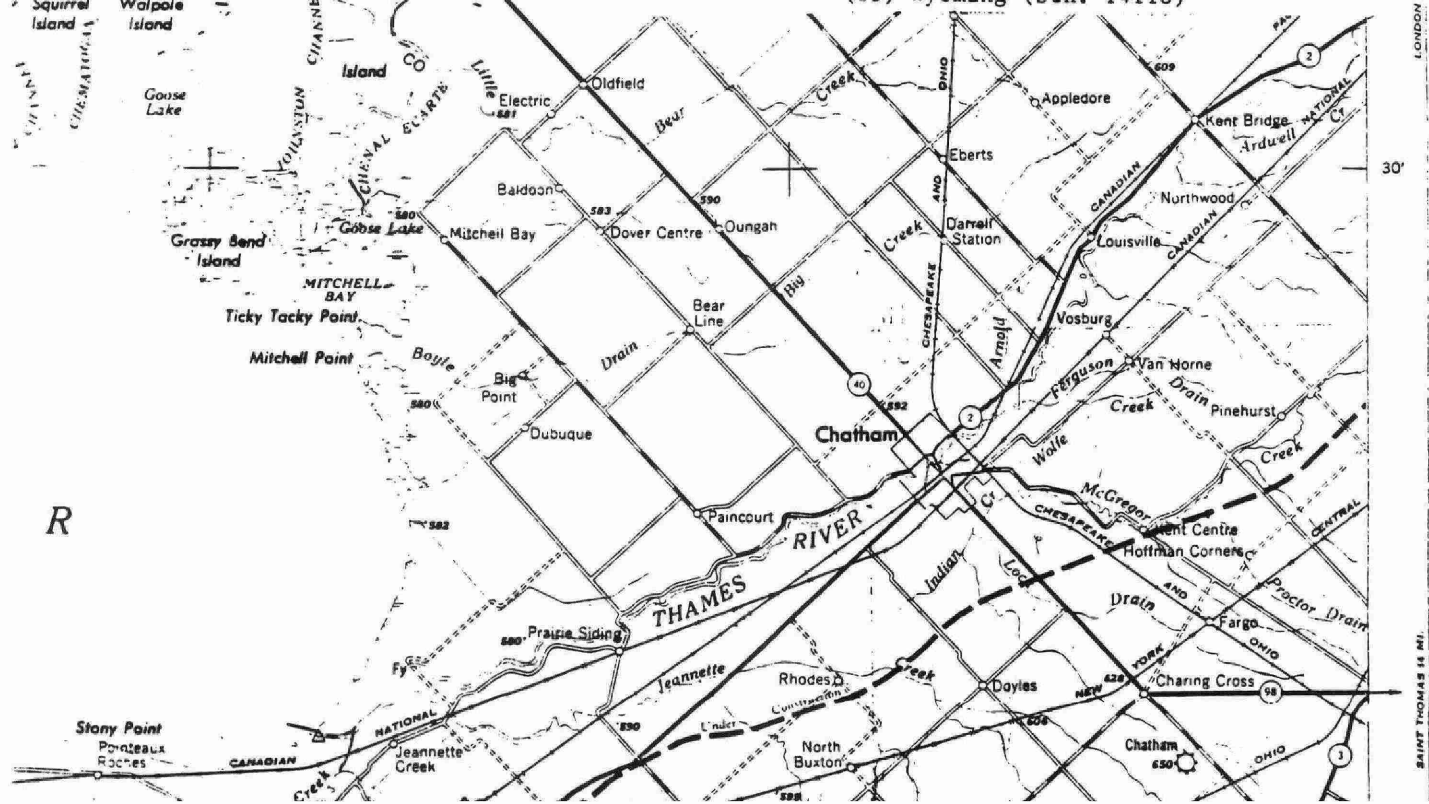


FIGURE 2 - MONITORING LOCATIONS

- (3) Bickford (Stn. 14004)
- (4) Courtright (Stn. 14016)
- (5) ORF-LIS Sixth Line
- (6) ORF-LIS River Bend
- (7) ORF-LIS LaSalle Road
- (8) ORF-LIS Scott Road
- (9) ORF-LIS River Front
- (10) ORF-LIS Front Street
- (11) Centennial Park (Stn. 14064)
- (12) Sarnia (Stn. 14062)
- (13) ORF-LIS Grace Church
- (14) ORF-LIS Huron View Nursery
- (15) Wyoming (Stn. 14118)



O_3 Data

SARNIA AIR POLLUTION SURVEY

POLLUTANT OZONE

UNITS PPB

STATION HURON VIEW NURSERY

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7														20	20		25	20	15	15	15	15	15	15	16
8	15	10	10	10	10	10	5	5	10	5	10	15	15	15	15	20	20	25	25	15	10	-	-	-	
9	10	0	0	0	0	0	10	15	20	25	35	40	45	45	50	45	50	40	35	25	30	30	35	30	
10	30	25	20	25	20	20	25	25	30	40	45	45	45	-	40	35	45	45	20	35	40	-	-	-	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	45	35	30	20	20	15	
13	15	15	10	5	5	5	0	5	15	25	40	55	45	55	60	55	55	55	55	40	30	30	15	5	
14	5	0	5	5	0	0	0	5	35	45	55	40	50	55	65	90	118	100	75	50	30	25	20	15	
15	10	16	17	15	10	0	5	20	40	55	75	50	82	105	115	115	125	105	95	85	75	60	43	40	
16	40	25	20																						
17	CHART STUCK																								
18																									
19											25	30	35	35	35	30	30	25	25	25	15	5	0	0	
20	0	0	0	0	0	0	5	10	25	30	40	50	55	60	65	65	80	90	85	70	50	40	35	30	
21	30	25	25	25	15	10	5	15	25	45	50	70	90	90	85	95	110	95	80	45	35	40	45	45	
22	25	10	15	5	5	5	5	25	35	40	45	60	60	60	60	55	55	45	35	30	20	10	10	25	
23	10	5	0	0	0	0	5	10	25	65	75	80	95	100	100	105	100	90	85	65	60	55	45	35	
24	35	45	45	45	45	40	35	35	45	65	80	90	105	115	110	90	95	90	95	85	90	75	60	65	
25	45	30	25	25	25	20	20	20	25	25	25	30	30	30	30	30	30	35	35	35	35	30	30	30	
26	30	25	25	25	25	20	20	20	20	25	25	30	30	30	30	35	40	35	35	35	20	10	5	5	
27	10	10	10	5	10	10	10	15	20	25	30	35	30	35	30	20	30	30	25	20	25	25	25	20	
28	25	20	10	25	30	30	35	25	25	25	25	25	25	20	25	25	30	30	25	30	30	30	30	30	
29	25	25	25	25	20	25	20	20	20	25	20	20	25	25	20	25	30	30	30	25	25	20	10	0	
30	0	0	10	15	15	10	10	15	15	20	20	25	25	25	30	30	35	35	35	30	20	10	5	5	
31	0	0	0	5	0	0	0	5	10	25	40	50	50	50	60	70	80	70	50	40	25	20	20	15	
MEAN	15	20	20	15	15	10	5	5	20	20	40	55	55	85	90	85	90	80	85	90	50	40	35	35	

PERCENT

TOT

SARNIA AIR POLLUTION SURVEY

POLLUTANT OZONE

UNITS PPB

STATION GRACE CHURCH

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	7	8	9	23	22	16	22	45	58	58	62	8	7	12	19	69	****	87	107	95	37	30	18	21	39.3
14	30	41	39	39	40	33	27	26	28	27	27	19	20	23	24	25	****	61	53	41	48	17	5	10	37.0
15	39	38	37	36	36	36	35	35	33	31	33	33	33	34	30	****	37	36	33	34	34	28	9	0	31.7
16	0	1	5	9	11	22	23	27	33	37	33	25	35	45	****	61	51	17	8	41	39	30	36	38	27.3
17	39	42	61	53	48	40	39	33	34	28	32	22	19	****	18	12	11	18	19	22	17	21	12	4	28.0
18	7	9	8	16	23	17	11	3	4	10	32	42	****	44	30	11	30	42	45	48	43	30	16	22	23.6
19	28	19	30	26	23	9	15	23	22	33	35	34	28	31	24	41	39	39	25	33	****	33	35	33	28.6
20	32	32	31	32	31	29	28	26	19	22	23	30	****	36	39	42	37	37	35	29	35	****	19	12	29.8
21	17	25	23	16	12	13	23	23	20	25	26	27	39	51	56	45	54	39	45	****	69	61	60	54	35.8
22	33	22	22	18	17	14	29	25	16	27	40	33	45	18	35	15	22	32	****	16	16	26	31	32	25.4
23	32	32	32	33	30	28	26	33	31	38	49	46	65	62	38	38	****	54	33	31	73	61	63	48	42.4
24	20	10	8	22	14	17	19	12	14	22	19	13	25	32	33	35	30	****	29	15	15	34	20	15	20.6
25	13	16	12	13	20	16	21	18	13	13	17	19	20	30	32	30	****	23	17	14	18	28	28	25	19.8
26	15	6	4	2	1	1	10	10	1	9	7	5	13	8	17	****	7	16	19	17	15	19	19	17	10.3
27	22	15	6	11	4	6	6	5	5	****	43	10	5	14	9	10	12	16	17	14	13	14	26	26	13.4
28	16	14	13	13	14	11	5	14	8	13	17	24	18	15	****	39	37	44	44	41	39	37	30	29	23.3
29	28	28	24	20	24	23	24	20	20	24	24	26	22	21	****	25	21	20	20	19	19	16	17	17	21.8
30	22	23	20	17	18	16	15	14	15	16	14	10	12	****	20	20	18	16	17	17	21	24	21	22	17.7
MEAN	14.8	14.1	14.2	14.8	14.4	12.9	14.0	14.5	13.9	16.1	19.7	17.1	17.9	20.3	19.7	21.6	20.3	25.1	23.9	22.4	22.7	20.9	18.7	17.3	17.9

PERCENTAGE OF DATA VALID 87.4

TOTAL MONTHLY SUM= 11233.00 TOTAL MONTHLY RECORD HOURS = 629.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT OZONE

UNITS PPB

STATION GRACE CHURCH

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	27	29	29	29	28	17	19	18	22	23	27	23	35	30	27	31	32	29	26	21	11	3	0	23.4
2	6	1	1	0	0	0	2	38	16	11	23	52	67	96	86	69	45	42	41	28	16	29	21	23	29.7
3	19	14	10	7	10	9	4	10	9	4	13	19	16	9	4	10	3	12	17	33	45	27	32	55	16.3
4	49	48	36	36	32	38	26	29	43	61	66	82	94	86	83	47	67	68	46	40	34	28	26	14	49.1
5	15	23	32	22	21	13	16	26	31	33	37	38	41	33	41	38	15	0	16	2	4	5	7	1	21.3
6	0	6	7	5	5	7	33	25	12	2	****	****	35	38	40	38	34	35	32	27	25	24	26	27	22.0
7	25	25	23	25	24	24	23	23	22	23	24	25	26	27	28	29	32	33	32	29	10	1	0	0	22.2
8	0	0	0	1	3	2	7	15	24	29	32	32	36	38	40	45	50	50	51	57	45	38	43	43	28.4
9	42	39	38	34	30	23	23	28	24	27	18	29	47	54	65	64	54	49	30	61	60	51	52	51	41.4
10	42	52	47	44	35	25	23	20	26	37	53	58	****	****	****	92	89	71	71	69	60	51	50	51	50.8
11	40	54	49	48	46	41	40	35	33	35	62	56	54	49	48	45	45	45	48	43	32	26	19	21	42.3
12	20	19	18	17	17	19	17	20	27	39	49	60	58	54	53	49	50	45	53	49	34	9	3	2	32.5
13	2	2	2	2	3	4	9	12	24	39	48	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14											DATA MISSING														
15											DATA MISSING														
16	****	****	****	****	****	****	****	****	****	****	10	15	10	14	14	7	7	6	4	5	2	3	2	0	7.1
17	0	0	0	0	2	2	1	2	2	3	3	4	10	48	54	50	35	38	23	15	24	20	32	25	16.4
18	24	25	19	17	15	15	15	18	21	26	32	33	34	35	33	27	25	25	24	0	6	0	0	0	19.5
19	0	2	3	4	0	1	5	12	21	27	36	40	42	46	54	60	71	78	58	46	33	22	30	37	30.3
20	32	23	28	20	10	8	9	24	31	40	44	56	85	87	103	89	89	89	81	48	28	33	60	38	48.1
21	23	11	11	14	21	14	15	27	39	40	51	59	59	61	53	48	50	42	36	33	22	17	16	18	32.5
22	11	11	10	8	5	3	9	51	45	89	83	89	121	129	98	75	74	79	75	65	63	65	61	66	57.7
23	64	62	56	43	29	32	32	44	47	62	73	85	86	94	81	79	81	78	79	78	81	73	64	65	65.3
24	38	30	27	25	22	20	19	19	19	22	26	29	30	32	28	26	27	27	20	10	11	10	10	10	22.4
25	10	9	9	8	7	5	5	10	21	24	27	31	****	****	30	30	30	30	30	29	18	10	6	11	17.7
26	16	20	20	22	20	16	21	20	19	23	29	33	28	38	32	29	32	30	25	21	31	31	32	23	25.5
27	13	16	28	28	33	33	31	27	27	28	28	28	27	23	25	26	27	28	29	30	31	31	31	31	27.5
28	30	30	30	31	31	30	30	29	30	31	31	31	30	30	30	29	30	31	31	32	32	30	30	29	30.3
29	13	8	19	28	28	28	27	26	29	30	31	31	32	34	35	36	34	34	33	31	7	2	2	5	24.3
30	3	1	1	1	0	0	1	7	22	41	52	59	65	63	68	79	80	63	55	41	43	39	30	35	35.4
31	30	24	23	21	11	10	11	17	35	50	60	74	85	112	120	106	95	81	94	79	44	23	27	34	52.8
MEAN	21.1	20.8	20.6	19.3	17.5	16.1	16.8	22.6	25.6	32.1	38.0	43.5	47.7	52.5	51.0	48.2	46.5	44.3	41.5	36.7	30.8	25.3	25.5	25.5	31.9

PERCENTAGE OF DATA VALID 89.5

TOTAL MONTHLY SUM= 21252.00 TOTAL MONTHLY RECORD HOURS = 666.00

POLLUTANT OZONE

UNITS PPB

STATION RIVER BEND

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	48	47	47	48	41	20	18	18	28	57	54	28	****	54	101	73	66	74	80	47	29	28	32	9	45.5
2	9	14	0	1	0	3	15	17	28	33	38	40	****	51	55	56	52	47	39	31	29	34	32	22	28.1
3	12	18	45	45	42	36	34	32	32	33	36	39	39	40	43	46	46	46	42	27	21	****	34	36	35.8
4	27	27	22	22	19	17	17	22	33	44	51	64	80	90	90	48	45	56	63	71	72	62	51	41	47.3
5	39	43	41	36	30	26	25	27	24	32	42	56	65	70	90	85	88	87	83	79	62	41	34	35	51.7
6	32	29	27	20	17	12	19	25	35	47	55	67	71	90	32	50	41	35	43	****	48	47	36	28	39.4
7	36	37	39	33	29	24	19	21	28	34	39	41	59	62	62	62	62	****	43	53	54	51	42	38	42.1
8	39	37	23	24	34	32	27	31	37	45	53	57	68	62	62	62	68	67	63	60	55	45	42	39	47.2
9	38	36	34	33	29	27	25	28	39	51	56	64	69	68	90	96	83	68	58	45	53	33	34	27	49.3
10	20	11	14	23	30	28	31	36	45	57	70	75	71	71	73	68	63	73	73	70	62	46	57	62	51.2
11	56	46	41	35	32	25	21	21	23	24	22	21	21	18	38	****	41	37	34	34	5	9	26	26	28.5
12	23	22	22	17	19	22	24	25	28	42	48	61	77	75	74	89	97	96	107	101	92	86	79	74	58.4
13	59	43	36	34	27	23	22	33	42	59	83	89	95	117	95	101	144	75	66	45	39	28	24	20	58.3
14	16	21	22	22	22	26	21	20	23	21	20	23	17	12	****	14	16	15	15	16	18	17	11	8	18.1
15	10	8	7	19	18	20	19	23	23	26	28	34	35	****	37	36	34	33	29	25	17	7	5	13	22.0
16	23	17	16	11	16	23	25	28	32	39	44	47	****	26	36	58	68	75	69	61	54	49	41	40	39.0
17	49	46	50	45	38	32	27	34	22	27	27	28	28	25	25	30	37	40	38	****	43	28	22	22	33.2
18	20	19	30	38	36	30	28	30	31	53	63	61	60	56	56	56	58	55	44	****	23	17	8	10	38.3
19	7	5	9	7	4	10	6	13	27	28	31	37	42	54	47	39	36	35	****	27	11	4	2	5	21.1
20	3	5	1	5	15	16	18	18	19	26	32	46	46	48	45	40	38	42	32	****	5	14	15	9	23.4
21	2	7	9	3	3	0	49	56	31	35	38	39	45	56	69	68	69	73	63	51	47	42	41	22	38.3
22	26	23	24	20	7	5	24	34	****	****	52	58	60	56	58	58	****	58	49	44	35	37	32	30	37.6
23	27	24	26	23	20	19	19	22	32	44	61	73	81	85	71	82	73	64	62	68	59	44	51	42	48.8
24	36	38	34	37	39	46	43	35	35	37	38	39	40	38	40	****	36	37	37	34	31	30	25	20	35.9
25	22	17	13	12	14	12	16	17	22	24	27	27	26	28	****	28	28	22	28	22	12	11	11	5	19.3
26	2	2	3	2	0	0	2	6	17	29	38	52	68	73	76	28	24	47	52	56	56	52	50	47	32.6
27	41	29	34	34	31	28	29	30	38	39	42	44	44	43	44	44	45	40	39	39	36	31	29	28	36.3
28	24	21	17	17	14	11	11	16	25	29	****	****	****	****	33	32	33	34	24	24	22	17	10	13	21.4
29	11	13	11	7	6	5	6	12	10	4	1	1	****	2	0	0	4	5	5	4	0	0	3	3	4.9
30	6	12	12	7	5	1	4	8	7	7	8	3	8	8	11	13	17	17	12	****	1	0	0	3	7.4
MEAN	25.4	23.9	23.6	22.7	21.3	19.4	21.4	24.6	27.9	35.3	41.2	45.2	52.6	52.8	55.5	52.2	52.1	50.1	48.0	45.4	36.4	31.4	29.3	25.9	35.6

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PERCENTAGE OF DATA VALID 96.7

TOTAL MONTHLY SUM= 24767.00 TOTAL MONTHLY RECORD HOURS = 696.00

SARNIA AIR POLLUTION SURVLY

POLLUTANT OZONE

UNITS PPB

STATION RIVER BEND

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	3	3	3	5	10	7	8	31	83	45	25	21	24	25	26	31	38	39	17	****	3	0	0	19.5
2	0	0	0	0	0	0	8	8	14	21	39	47	59	62	78	72	78	61	58	49	45	41	35	33	33.7
3	27	25	24	23	13	8	12	19	33	53	62	84	98	100	91	88	84	79	****	66	50	47	40	42	50.8
4	34	40	45	42	39	33	31	34	39	48	58	62	64	68	71	53	51	57	****	44	41	38	27	29	45.6
5	27	29	28	20	9	5	3	8	13	27	81	79	40	54	40	****	36	34	29	27	19	19	14	9	28.3
6	13	15	11	5	5	9	26	20	18	19	22	27	26	31	36	****	27	28	26	20	17	18	17	16	19.7
7	14	13	14	13	11	12	13	16	15	17	19	20	21	21	20	****	24	26	25	22	7	5	5	4	15.5
8	6	8	2	2	2	1	5	10	17	23	26	28	29	32	34	****	28	31	55	60	41	38	38	36	24.0
9	32	30	27	25	21	17	21	19	****	****	43	29	28	30	****	37	61	58	58	59	50	47	49	****	37.0
10	DATA MISSING																								
11	DATA MISSING																								
12	DATA MISSING																								
13	DATA MISSING																								
14	****	****	****	****	****	****	****	****	****	****	****	****	84	93	106	92	44	77	72	67	63	52	48	41	69.9
15	31	30	20	14	13	14	15	24	30	30	47	58	50	48	55	58	****	45	44	40	33	26	21	20	33.3
16	21	15	17	15	17	12	10	11	14	14	18	19	20	24	25	26	****	28	28	21	11	8	5	2	16.6
17	3	1	0	0	0	0	1	6	0	3	6	13	19	33	30	34	35	36	****	28	23	19	21	19	14.3
18	19	16	15	10	9	4	2	6	13	****	24	25	****	****	0	0	****	0	0	0	0	0	0	0	7.2
19	0	0	0	0	0	0	0	1	11	17	27	32	****	46	58	****	61	48	43	35	35	34	30	26	22.9
20	28	27	21	19	13	4	0	4	13	22	34	55	66	64	59	****	85	80	55	43	30	25	19	16	34.0
21	19	19	16	11	8	6	12	17	24	35	65	80	60	60	52	50	42	34	27	21	17	13	0	0	28.7
22	0	0	0	0	0	0	0	2	24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	DATA MISSING																								
24	****	13	6	15	14	10	6	7	9	9	10	****	20	21	22	14	19	17	16	18	16	16	12	14	13.8
25	12	8	5	7	7	4	2	3	3	10	22	26	32	32	32	28	27	25	23	22	9	9	11	6	15.2
26	10	8	6	6	1	****	6	16	18	21	23	28	39	42	29	26	21	19	20	****	22	21	21	22	19.3
27	11	9	9	14	17	14	8	8	10	18	21	17	18	19	13	13	10	****	9	5	6	3	5	4	11.3
28	7	5	3	3	3	4	3	4	8	18	17	20	19	24	24	22	21	20	****	15	16	13	0	0	11.7
29	0	2	3	4	0	0	0	14	20	18	25	22	25	26	30	28	24	24	19	17	10	2	2	2	13.2
30	2	2	2	2	2	2	4	10	17	26	39	45	42	37	38	42	****	34	40	45	37	34	30	25	24.2
31	20	19	16	16	14	9	11	9	****	37	45	53	83	81	89	61	59	84	84	68	57	53	54	39	46.1
MEAN	14.0	13.5	11.7	10.8	8.9	7.4	8.2	11.4	17.1	25.9	34.1	38.9	41.9	44.7	44.0	40.5	41.3	41.0	36.7	33.7	27.3	23.4	20.2	16.9	25.1

PERCENTAGE OF DATA VALID 76.3

TOTAL MONTHLY SUM= 14242.00 TOTAL MONTHLY RECORD HOURS = 568.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT OZONE

UNITS PPB

STATION FRONT STREET

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	52	58	54	51	47	24	23	21	25	37	48	65	56	54	60	62	73	78	58	58	55	51	44	44	49.9
2	38	33	31	26	17	11	15	22	27	35	43	45	53	56	58	58	55	49	42	39	****	39	21	22	36.3
3	24	31	53	47	38	31	32	37	38	40	43	47	48	46	48	30	36	48	42	****	19	12	21	30	36.6
4	30	15	19	15	9	19	17	26	41	47	57	59	70	85	84	71	51	52	44	****	45	46	42	25	42.1
5	25	35	45	30	25	29	23	25	21	22	42	57	64	67	88	86	87	95	80	79	70	45	33	24	49.9
6	19	15	12	13	16	15	18	21	43	51	56	61	****	54	56	32	44	35	****	46	44	40	33	22	33.9
7	19	16	14	13	15	14	16	14	18	21	39	46	46	44	50	53	****	51	35	27	25	20	17	29	27.9
8	27	18	24	14	13	13	14	15	16	19	31	50	45	25	26	47	57	42	35	29	16	20	12	13	25.9
9	19	24	21	24	23	21	30	35	46	58	61	59	51	42	43	48	****	62	63	59	55	53	48	46	43.1
10	40	27	14	13	10	15	23	26	33	29	52	52	58	56	37	****	53	58	63	63	45	38	56	65	40.3
11	56	49	46	42	35	27	29	29	30	30	32	33	33	34	****	35	33	35	34	31	26	15	14	18	32.4
12	18	14	17	14	15	22	19	29	26	34	43	37	60	24	****	20	14	35	69	74	57	58	42	29	33.5
13	39	24	20	14	17	17	17	24	41	48	55	59	55	****	58	52	16	****	****	18	7	15	16	27	30.4
14	31	44	41	37	31	26	26	24	27	24	24	25	21	****	22	24	25	29	33	34	35	31	32	33	29.5
15	28	32	32	31	29	26	21	29	31	****	34	33	****	38	38	36	35	32	28	26	24	18	5	7	27.9
16	15	9	10	6	18	22	25	29	34	41	47	52	53	39	30	38	53	56	50	59	51	****	44	44	35.9
17	41	50	54	54	45	37	41	44	36	32	29	29	32	28	31	40	51	53	****	44	45	40	12	15	38.4
18	19	12	16	30	26	26	20	26	36	47	60	61	62	60	53	56	60	49	****	45	27	37	33	22	38.4
19	15	12	19	20	21	10	17	30	36	41	42	40	****	32	33	32	32	****	24	26	24	23	20	19	25.8
20	19	18	21	20	20	16	16	18	16	18	15	20	24	25	29	27	30	28	****	24	25	23	19	20	21.3
21	12	12	11	5	6	7	9	15	23	24	25	39	42	52	60	61	****	53	43	45	52	46	45	42	31.7
22	32	28	25	26	16	4	12	15	28	18	22	38	47	47	45	****	42	38	34	24	14	15	19	20	26.5
23	16	17	23	20	15	14	15	18	23	31	47	55	56	66	****	61	58	53	50	59	63	42	42	40	38.4
24	DATA MISSING																								
25	****	****	****	****	****	****	****	****	****	****	23	24	26	****	24	24	28	27	23	17	11	9	12	6	19.5
26	0	1	0	0	0	0	16	23	9	26	34	41	51	****	58	24	0	2	25	32	30	31	38	32	20.6
27	27	18	3	0	3	2	2	20	68	17	19	38	44	43	46	55	42	42	44	39	34	30	33	26	29.0
28	16	17	19	16	14	9	12	****	****	****	7	8	****	7	36	52	48	43	41	25	19	27	25	24	23.3
29	23	23	23	19	16	18	21	23	26	32	33	32	30	29	28	26	27	23	21	19	18	****	16	14	23.5
30	19	20	21	17	17	16	15	17	18	20	21	19	23	25	30	31	26	24	****	26	25	22	19	25	21.6
MEAN	25.7	24.0	24.6	22.0	19.9	17.5	19.4	24.3	30.2	32.4	37.4	42.2	46.0	43.1	45.0	43.7	41.4	44.1	42.7	39.5	34.3	31.3	28.0	27.0	32.5

PERCENTAGE OF DATA VALID 90.7

TOTAL MONTHLY SUM= 21208.00 TOTAL MONTHLY RECORD HOURS = 653.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT OZONE

UNITS PPB

STATION FRONT STREET

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	30	32	22	10	21	20	23	30	34	32	36	38	39	32	32	30	34	31	****	24	17	8	7	26.5
2	8	2	2	2	2	0	16	92	68	22	37	52	63	77	73	74	62	53	53	42	39	33	19	19	37.9
3	20	25	17	25	23	16	21	30	44	57	65	85	97	94	91	78	84	81	65	58	41	23	26	48	50.6
4	41	35	33	47	43	42	39	43	51	62	78	60	73	64	75	42	33	****	38	32	36	27	7	23	44.5
5	34	34	34	21	15	10	10	17	17	****	37	35	41	39	37	****	34	19	18	15	14	3	2	2	22.2
6	1	2	6	5	6	5	11	8	4	12	23	41	47	49	****	46	38	38	31	28	23	24	26	27	21.8
7	22	22	24	21	21	17	19	22	21	24	26	27	29	29	****	35	39	41	37	28	15	2	6	8	23.3
8	5	0	4	6	7	6	7	10	17	34	38	38	39	41	****	48	47	48	48	59	48	35	46	47	29.5
9	43	46	39	35	30	26	23	26	10	16	14	12	28	****	39	24	33	32	12	51	48	26	46	34	30.1
10	36	47	43	31	15	7	15	8	26	40	****	****	****	****	****	60	55	61	61	56	54	44	43	42	39.2
11	20	48	46	31	35	30	35	32	32	32	55	51	****	46	45	43	43	48	52	33	23	16	4	10	35.2
12	17	15	11	14	12	8	9	21	30	38	36	58	58	60	49	48	44	38	36	****	5	7	3	3	27.0
13	4	3	4	4	5	5	8	11	24	38	50	50	51	58	62	92	84	74	****	51	44	30	7	9	33.4
14	7	6	6	6	10	4	15	30	32	47	70	80	90	102	102	96	98	85	67	37	28	63	44	28	48.0
15	26	18	19	6	8	6	9	20	17	19	40	56	47	51	65	****	64	67	57	49	46	41	35	33	34.7
16	33	37	32	30	32	28	26	25	27	30	33	33	31	34	38	****	34	34	38	30	11	9	10	3	27.7
17	5	5	5	4	6	6	3	3	3	3	3	3	4	11	11	6	18	****	23	19	27	29	15	24	10.3
18	24	24	19	17	16	10	11	13	17	27	32	32	31	34	33	****	24	24	23	23	17	2	1	1	19.8
19	1	1	2	1	1	0	3	11	20	25	33	45	47	53	****	65	67	34	5	1	2	9	3	2	18.7
20	2	4	2	3	5	6	8	12	18	22	28	44	61	47	****	51	52	49	33	13	12	19	41	13	23.7
21	15	8	8	18	12	14	13	20	30	33	42	61	60	****	56	48	46	37	30	23	18	12	10	14	27.3
22	7	15	12	2	2	3	23	34	19	34	55	73	69	****	52	41	37	42	45	40	40	38	30	39	32.7
23	27	31	43	41	26	14	23	23	25	31	39	47	****	58	54	46	40	41	42	39	42	43	36	34	36.7
24	26	20	17	17	17	14	14	15	15	17	19	22	23	26	25	21	20	19	****	17	17	18	20	21	19.1
25	23	22	21	17	11	14	14	16	18	19	34	34	30	30	29	27	26	25	24	18	9	5	7	12	20.2
26	14	17	16	26	****	19	20	21	22	23	24	20	33	27	23	9	14	19	****	10	15	26	24	23	20.2
27	9	23	26	29	23	24	26	24	27	26	30	28	28	23	25	26	****	28	28	29	29	29	28	28	25.9
28	29	28	31	29	30	17	18	17	24	32	34	33	31	32	31	29	28	****	29	25	21	18	16	6	25.6
29	10	3	10	16	15	13	20	26	29	33	34	35	36	38	37	37	****	35	31	22	17	7	2	1	22.0
30	0	2	3	2	6	5	6	9	24	44	59	63	66	77	70	****	61	54	40	32	38	36	34	24	32.8
31	11	9	16	10	11	11	18	17	25	27	52	61	83	105	100	75	61	56	52	41	15	24	33	49	40.1
MEAN	17.7	18.8	18.8	17.4	15.2	12.9	16.2	21.9	24.7	30.0	38.4	43.8	47.6	49.8	50.2	46.1	45.4	43.4	37.5	31.8	26.4	23.1	20.4	20.5	29.3

PERCENTAGE OF DATA VALID 95.7

TOTAL MONTHLY SUM= 20855.00 TOTAL MONTHLY RECORD HOURS = 712.00

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - SW NO 10001					COLLEGE OF AGRICULTURAL TECH, HURON PARK										MONTH - JUN 84															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN						
1	30	39	37	42	42	41	41	42	42	43	44	45	45	49	42	47	49	46	39	29	19	15	20	18	33						
2	18	19	15	21	19	22	21	22	26	32	36	36	38	39	45	51	54	49	43	35	34	34	35	38	33						
3	43	41	35	35	35	32	31	34	34	34	34	35	35	35	35	35	35	36	33	24	25	25	24	24	33						
4	28	26	21	19	14	10	18	21	29	44	46	48	48	48	49	65	69	61	52	48	40	34	34	38	38						
5	44	44	46	42	36	35	31	31	29	31	32	44	55	69	75	87	94	92	84	78	72	65	57	50	55						
6	45	41	34	27	22	17	16	26	35	45	47	41	45	47	51	57	34	40	44	45	48	48	47	44	39						
7	42	36	31	30	27	25	27	27	34	47	51	57	60	63	64	63	57	50	49	43	44	47	46	43	44						
8	43	41	37	38	38	36	33	36	***	48	53	56	60	60	60	60	61	68	60	55	52	43	38	38	48						
9	32	26	23	23	21	15	27	35	44	46	48	48	54	55	53	59	67	66	54	46	37	28	25	30	40						
10	42	44	41	37	37	37	39	41	48	55	54	52	55	61	55	58	60	48	54	54	54	50	39	43	48						
11	51	44	37	32	29	22	20	19	19	18	19	21	23	25	29	31	32	34	31	29	23	19	10	7	25						
12	13	8	12	16	14	14	16	23	27	39	48	53	53	62	65	71	73	68	62	62	65	68	62	61	44						
13	58	47	39	29	24	29	41	43	47	48	52	57	62	59	55	62	65	83	83	71	56	52	38	31	51						
14	31	47	43	35	29	24	22	23	23	19	***	14	15	15	19	21	22	23	26	23	21	19	14	11	23						
15	15	19	18	17	20	17	17	19	24	27	30	30	31	31	30	30	30	31	31	27	17	10	21	20	23						
16	16	17	23	30	27	21	24	28	31	31	34	41	49	52	52	52	52	48	40	37	34	39	40	36							
17	34	29	36	39	44	42	46	47	34	28	26	27	29	31	34	38	44	42	42	42	43	45	46	44	38						
18	42	38	35	35	35	27	22	29	42	54	63	58	52	49	45	45	45	43	37	34	30	29	26	24	39						
19	30	33	32	28	22	17	27	27	27	27	30	30	30	30	30	29	30	30	27	23	21	14	13	11	25						
20	10	5	6	8	11	14	16	16	20	***	25	29	35	38	40	40	36	31	30	28	21	15	17	26	22						
21	25	25	23	17	15	8	15	25	34	39	40	41	40	42	50	50	56	59	52	44	32	28	23	23	34						
22	15	18	19	21	22	21	21	25	27	34	36	40	43	51	53	52	54	53	52	44	38	33	28	28	35						
23	25	25	25	25	25	20	20	24	37	48	54	75	85	86	89	89	93	93	86	88	72	59	56	50	56						
24	50	46	45	45	40	37	39	39	36	41	40	40	37	36	32	32	33	30	33	34	36	32	25	25	37						
25	20	18	16	16	12	12	15	19	22	23	24	26	28	***	23	24	26	29	22	14	13	6	5	7	18						
26	6	3	5	7	7	2	6	18	27	33	37	40	43	***	71	56	60	64	56	48	42	41	42	43	33						
27	48	48	46	47	48	48	46	43	45	45	51	54	55	53	53	51	49	49	49	47	46	45	42	40	48						
28	33	29	26	26	26	28	27	30	34	36	39	41	44	46	47	48	48	49	49	48	40	26	30	28	37						
29	20	20	19	20	23	24	29	34	36	38	39	40	36	36	35	34	32	31	29	28	28	29	26	18	29						
30	16	17	17	18	18	19	21	26	30	35	38	39	40	39	37	35	34	36	35	24	21	24	22	21	25						
MEAN	31	30	28	28	26	24	26	29	33	38	40	42	44	47	47	49	50	50	46	42	38	34	32	31	36.7						

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

JUL 03, 1985

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 10001

COLLEGE OF AGRICULTURAL TECH, HURON PARK

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	17	17	21	24	27	31	34	34	34	36	38	39	39	39	39	39	39	37	31	27	18	15	30
2	11	12	22	22	18	17	25	32	36	39	42	45	49	49	47	52	56	61	62	63	59	53	46	43	40
3	37	36	35	35	35	35	35	42	53	58	70	76	76	85	98	****	104	91	85	71	62	62	61	60	61
4	53	42	39	38	31	26	34	46	54	62	69	72	70	73	68	41	32	29	24	29	41	37	34	30	45
5	21	15	11	11	11	9	23	29	35	35	35	39	41	44	47	36	35	35	30	27	21	26	22	20	27
6	21	22	24	21	21	22	27	29	26	26	25	31	32	42	43	42	41	38	30	27	22	22	25	28	29
7	28	28	28	29	27	25	21	20	20	17	19	20	23	23	25	26	28	28	24	15	6	2	0	2	20
8	2	5	6	4	4	4	9	15	24	26	27	28	28	28	34	35	34	35	33	29	21	22	29	31	21
9	34	34	32	32	29	28	28	32	37	40	45	51	51	54	55	51	69	64	66	58	55	54	49	43	46
10	41	40	35	34	35	28	28	28	25	26	27	38	41	46	48	54	56	49	39	34	32	36	37	38	37
11	37	41	42	32	31	26	27	29	30	43	44	37	36	33	34	35	39	41	38	33	24	16	10	12	32
12	19	22	20	18	11	5	13	20	26	31	****	49	51	51	49	50	51	49	38	24	17	9	1	2	27
13	1	7	12	12	14	10	14	23	31	38	40	47	44	43	47	65	70	54	50	45	38	33	31	38	34
14	43	39	32	30	30	27	30	37	53	68	80	81	76	75	90	98	118	114	94	77	65	66	61	56	64
15	56	53	50	46	40	32	35	41	48	54	64	79	82	73	70	69	74	68	56	41	35	35	30	30	53
16	28	28	28	26	22	21	20	22	22	26	27	****	****	28	28	30	32	34	34	30	19	14	16	17	25
17	18	15	20	20	16	13	15	18	26	****	39	38	35	41	48	52	50	46	51	43	40	35	29	27	32
18	27	27	28	25	22	20	20	20	34	39	35	44	40	42	40	38	39	33	29	24	19	15	15	13	29
19	11	9	9	8	9	5	8	13	21	30	32	44	43	43	50	55	61	69	80	61	40	37	41	41	34
20	40	40	40	38	32	25	25	26	31	38	47	55	72	80	77	82	89	80	75	72	68	54	45	40	53
21	35	33	27	25	19	13	14	22	34	41	51	54	51	51	46	37	31	27	24	18	8	5	2	0	28
22	2	3	1	4	4	5	10	36	52	60	65	70	69	68	68	68	69	70	64	56	56	62	56	55	45
23	54	61	65	57	55	51	45	50	58	65	78	88	99	115	123	125	114	81	76	73	75	73	72	39	75
24	27	24	22	22	17	17	16	19	20	21	23	23	21	21	23	24	27	29	31	26	21	18	12	8	21
25	5	5	5	6	4	4	9	19	22	24	****	29	29	28	27	29	30	29	27	16	5	4	6	4	15
26	5	7	15	12	6	8	4	10	13	24	22	25	23	28	34	35	33	31	30	16	22	23	24	20	20
27	9	10	11	12	8	8	9	14	20	20	21	25	26	27	27	27	27	26	22	21	18	13	9	5	17
28	1	1	4	8	6	5	6	16	23	27	31	30	32	32	32	30	31	31	30	27	18	16	12	17	19
29	21	22	22	7	6	13	15	22	30	39	40	39	36	36	35	36	35	37	36	25	20	11	3	3	25
30	5	8	7	3	3	0	4	15	29	47	61	61	61	59	54	53	51	57	58	49	37	36	34	27	34
31	33	33	31	34	32	32	30	36	46	59	74	74	78	85	91	104	115	85	79	66	56	56	56	59	60
MEAN	24	24	24	22	20	18	20	26	33	39	44	48	48	50	52	51	54	50	47	40	34	31	29	27	35.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "==" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA LIMITATION" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - SW NO 12008					467 UNIVERSITY AV WEST F2 WINDSOR								MONTH - JUN 84											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	0	0	0	1	4	13	29	****	39	****	70	76	78	78	79	72	64	56	34	25	24	15	35
2	9	17	20	23	13	19	15	24	19	28	40	61	70	65	59	57	51	39	31	26	16	10	2	11	30
3	23	28	38	34	32	24	26	26	27	29	33	34	35	38	39	43	44	38	41	25	18	11	4	2	29
4	0	0	0	0	1	0	1	3	12	29	40	44	41	46	55	59	61	61	59	50	43	45	49	48	31
5	****	****	26	27	21	18	-	****	28	-	-	58	68	78	69	77	74	60	37	32	37	-	26	17	44
6	18	15	11	9	4	4	8	10	10	20	26	36	48	48	41	-	****	42	44	41	34	30	23	39	26
7	40	28	24	23	19	6	10	14	18	25	42	50	47	44	36	43	50	39	34	34	35	21	19	25	30
8	27	35	35	31	20	14	15	17	****	26	31	42	42	47	46	40	40	44	48	38	39	34	25	10	32
9	16	12	7	8	7	5	11	17	25	34	48	55	54	65	63	58	53	59	61	45	38	22	22	23	34
10	24	31	30	23	25	26	28	34	41	48	50	47	51	47	46	46	-	52	52	46	37	22	33	45	38
11	43	34	30	28	23	-	13	14	16	21	31	33	34	38	43	45	50	44	54	39	33	30	28	19	32
12	19	26	25	18	1	8	6	11	24	39	53	57	49	66	-	83	-	89	82	75	64	47	26	19	40
13	20	22	18	18	10	3	6	9	17	33	51	67	50	60	62	41	****	19	15	14	2	2	5	1	24
14	2	10	7	19	25	24	20	10	13	24	26	33	40	37	28	24	19	14	16	14	15	15	14	14	19
15	16	19	20	18	11	2	9	14	18	20	22	25	25	29	29	33	38	40	37	26	23	20	19	14	22
16	12	18	31	36	35	25	25	29	30	32	40	41	44	59	67	53	60	67	61	57	53	47	33	34	41
17	30	36	37	35	29	****	****	****	15	26	41	36	28	26	46	****	****	52	42	34	35	****	35	33	34
18	****	****	****	****	****	****	****	****	34	46	48	56	56	55	40	33	41	35	24	24	22	14	5	2	33
19	5	2	8	4	0	2	3	6	25	33	31	42	51	60	68	59	62	68	48	5	9	12	6	1	25
20	6	7	5	4	4	1	4	11	12	17	17	32	35	37	38	43	49	51	47	16	18	11	3	7	20
21	5	4	0	-	0	2	4	10	31	35	36	40	37	41	45	48	47	46	50	42	33	17	19	19	27
22	18	15	16	15	12	6	12	36	39	38	44	32	53	53	60	66	72	70	61	47	41	27	28	38	37
23	25	21	22	21	20	16	18	24	29	40	40	48	50	61	65	60	65	63	57	47	25	24	9	2	36
24	25	37	39	42	48	44	36	34	****	34	35	33	35	35	****	33	31	33	31	26	25	19	14	13	32
25	13	16	15	11	7	3	5	10	16	21	24	22	20	26	26	23	26	28	29	22	15	2	0	0	16
26	0	0	0	0	0	0	1	6	****	****	****	49	55	66	53	73	64	74	68	71	73	66	44	55	39
27	48	47	47	43	49	48	32	32	43	48	40	45	47	43	43	45	46	41	41	38	27	22	18	18	40
28	10	1	3	11	8	2	4	12	21	28	36	41	47	48	50	50	44	46	44	41	38	13	20	20	27
29	26	21	21	17	6	2	7	15	20	27	32	36	43	40	35	30	31	27	20	15	15	12	15	15	22
30	16	17	20	19	19	17	16	13	13	15	28	37	38	35	34	36	34	32	29	24	9	8	6	9	22
MEAN	18	19	19	19	15	12	13	17	23	30	37	42	45	49	49	49	49	48	44	36	30	22	19	19	30.3

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	13	11	17	19	20	22	27	29	31	35	40	47	50	54	48	40	39	38	28	12	7	1	1	27
2	1	1	0	0	1	1	2	11	27	34	54	65	73	60	41	40	66	78	73	60	54	39	7	6	33
3	9	13	9	2	1	1	4	11	18	45	57	81	86	90	88	88	80	87	83	65	49	35	36	24	44
4	39	37	26	25	18	12	9	16	28	55	55	68	68	82	84	88	84	66	50	49	52	45	40	24	47
5	13	26	17	16	18	10	9	7	68	-	25	30	45	55	53	39	18	40	36	35	11	8	11	27	27
6	10	16	16	17	27	17	10	3	9	18	31	50	43	30	47	45	41	48	39	29	19	25	24	17	26
7	13	7	9	9	11	8	12	18	26	30	31	31	35	35	36	36	38	35	32	32	11	0	0	0	21
8	0	0	0	0	0	1	3	10	27	39	39	45	54	60	67	71	71	72	78	63	58	57	59	50	39
9	40	34	28	30	29	27	24	31	38	40	35	-	29	45	58	60	67	72	65	57	56	55	55	54	45
10	49	40	32	18	12	9	3	4	22	31	52	66	69	77	82	78	72	72	68	54	39	36	45	44	45
11	46	48	41	38	29	27	15	22	22	25	19	17	29	30	32	36	48	54	45	32	15	2	0	0	28
12	1	0	2	3	0	1	3	12	20	35	25	***	***	59	64	57	57	63	63	44	25	8	4	1	25
13	1	1	0	0	0	0	0	2	13	38	52	72	96	82	83	74	76	76	73	84	85	65	72	45	45
14	41	32	27	17	1	2	7	28	49	60	69	103	111	105	112	116	108	105	105	87	73	65	48	37	63
15	30	28	30	39	37	50	48	49	60	64	73	71	66	69	67	62	63	69	64	52	41	25	17	17	50
16	6	12	20	21	28	16	11	12	44	-	***	35	38	40	46	45	47	52	52	49	35	22	21	19	31
17	8	4	11	20	16	12	6	16	22	24	24	20	36	38	54	60	40	40	30	18	***	***	6	15	24
18	9	8	17	18	10	2	6	11	25	30	29	27	20	24	31	26	26	24	20	-	13	1	0	0	16
19	0	0	0	1	0	0	0	2	9	25	38	45	57	63	59	64	59	69	80	62	36	35	30	20	31
20	18	6	4	3	6	13	16	20	21	50	***	86	***	99	95	105	82	67	55	52	55	35	***	27	44
21	19	13	25	24	19	21	11	6	19	31	43	59	74	94	106	115	121	112	88	62	53	25	7	1	48
22	0	2	3	0	0	1	28	81	-	101	100	104	109	110	103	101	91	87	80	87	88	90	81	72	66
23	76	68	81	62	31	36	22	32	46	69	72	73	80	92	85	86	88	-	100	78	106	83	87	64	70
24	60	72	49	34	18	10	4	3	***	***	29	36	47	57	49	36	41	53	43	38	15	6	13	13	33
25	19	16	19	22	15	8	6	4	9	18	26	40	50	54	76	85	91	66	52	37	32	39	35	29	35
26	27	6	11	1	1	1	2	6	12	26	35	31	35	43	45	29	32	35	45	46	52	45	49	43	27
27	22	17	25	24	19	12	3	7	21	36	43	46	41	29	34	30	32	27	25	17	9	9	8	7	23
28	7	7	-	8	7	6	7	15	24	30	36	37	43	50	68	71	59	62	54	30	24	15	10	3	29
29	1	2	***	3	6	10	12	18	22	32	41	52	48	54	60	60	57	52	58	48	30	21	16	1	31
30	1	1	1	1	1	1	1	11	28	53	68	85	93	82	73	73	75	66	53	52	29	22	24	16	38
31	32	29	36	39	31	24	7	16	44	56	52	95	95	99	114	116	99	94	93	77	72	72	63	45	63
MEAN	20	18	19	17	17	12	10	16	28	40	44	56	59	63	67	66	64	63	59	51	42	33	29	23	37.8

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 13021

40E WATER PUMPING STAT, MIDDLE RD, MERLIN

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	6	4	2	2	3	7	10	12	15	17	20	26	27	28	26	26	24	20	17	10	9	1	14
2	0	0	0	0	0	1	5	13	22	26	29	33	36	50	****	****	****	****	****	****	****	****	****	****	****
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DATA INVALID -	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	****	52	67	66	54	57	38	26	26	24	19	*****
5	15	11	8	2	7	8	5	2	6	13	19	24	26	35	40	37	35	30	31	28	28	28	26	23	20
6	26	26	26	26	24	21	15	14	9	9	5	5	15	****	24	30	43	45	31	27	25	18	20	25	22
7	21	20	20	16	9	13	15	16	21	22	23	25	27	29	28	32	35	35	36	25	20	9	8	11	22
8	13	18	27	19	16	6	6	12	15	23	25	25	24	27	30	30	26	35	48	35	35	40	40	42	26
9	35	31	19	32	30	27	26	35	35	38	40	42	46	46	48	50	55	55	51	51	47	47	41	37	40
10	40	41	42	36	30	22	13	21	28	35	41	46	54	58	66	74	63	57	55	49	45	45	44	40	44
11	42	47	44	36	35	28	26	26	26	30	30	27	29	32	29	24	30	27	37	31	30	28	24	17	31
12	4	7	9	7	4	1	5	10	19	21	23	31	41	****	55	52	62	58	52	43	22	10	21	16	25
13	11	13	15	9	7	4	6	9	21	28	32	40	49	55	62	56	52	70	62	44	37	44	49	47	34
14	44	50	40	32	28	26	24	36	46	55	59	70	66	72	74	79	80	73	69	65	56	59	54	55	55
15	49	40	34	33	34	31	31	35	43	45	54	50	63	64	69	64	58	58	57	54	47	36	30	22	46
16	20	20	23	20	16	11	16	22	24	29	35	37	40	41	41	44	46	46	45	34	15	11	27	22	29
17	15	15	20	27	23	13	16	27	33	33	35	36	29	38	43	47	54	52	40	31	30	31	17	16	30
18	14	11	9	9	11	9	9	15	23	25	30	32	****	31	31	26	27	26	24	17	14	13	10	5	18
19	3	4	10	12	11	8	8	11	15	17	27	30	31	30	32	32	43	54	52	45	45	43	43	38	27
20	33	26	28	28	28	26	24	39	43	50	59	61	67	71	73	77	76	62	61	53	49	44	40	30	48
21	31	29	24	19	18	9	8	21	28	36	43	50	54	54	60	63	64	64	62	50	30	20	21	17	36
22	16	22	17	20	10	12	11	22	45	52	61	64	69	69	66	69	72	70	74	63	58	57	61	59	47
23	44	34	32	38	39	34	29	29	40	54	60	66	72	73	72	72	70	70	66	67	61	68	61	46	54
24	40	49	29	23	17	11	11	11	14	15	16	17	19	****	24	35	30	23	21	17	14	17	17	17	21
25	11	9	3	1	2	3	10	15	21	24	25	28	29	31	33	32	32	31	24	18	18	13	12	8	18
26	10	7	15	7	8	6	5	13	13	25	32	29	48	39	28	23	24	21	25	25	25	18	20	20	20
27	13	12	11	11	9	5	6	12	20	25	35	31	22	27	27	23	19	19	19	15	12	10	10	11	17
28	9	6	6	8	9	11	11	12	14	21	21	25	34	35	40	40	38	36	27	25	18	14	3	6	20
29	2	0	3	3	3	6	11	13	17	21	34	38	39	41	43	43	46	49	42	30	14	11	12	11	22
30	9	7	4	0	0	0	2	7	15	21	27	31	34	36	40	43	46	46	41	28	16	21	23	23	22
31	25	19	21	17	12	9	8	19	32	43	52	57	61	63	66	70	70	70	65	50	45	41	46	42	42
MEAN	21	20	19	17	15	13	13	18	24	29	34	37	41	45	46	47	48	47	45	37	31	29	28	25	30.2

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

SEP 05, 1984

UNITS - PARTS/BILLION

MONTH - JUN 84

23	26	27	27	28	25	21	22	25	30	42	59	74	80	89	84	81	76	56	55	68	81	57	50	46	51
24	36	40	40	41	44	51	43	39	****	39	38	41	40	37	****	37	35	32	33	33	30	23	22	12	36
25	12	16	12	9	14	7	14	19	23	25	27	28	27	27	22	22	26	24	22	17	14	4	1	9	18
26	1	2	2	4	8	5	17	****	****	31	38	45	59	76	81	59	31	30	54	51	45	46	49	47	36
27	46	33	16	5	10	15	17	14	18	29	35	41	42	38	43	43	40	39	38	36	33	30	24	25	30
28	16	19	17	16	12	9	9	11	19	27	31	38	42	38	39	41	39	36	26	16	12	20	21	14	24
29	12	14	12	9	14	15	16	19	21	24	23	22	20	20	18	19	21	18	18	15	16	15	16	17	17
30	22	23	20	17	17	15	13	16	17	17	18	15	18	21	26	27	23	21	23	21	21	19	18	21	20
MEAN	25	24	23	21	19	15	17	21	28	33	41	43	48	47	46	49	44	45	43	37	32	28	25	23	32.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14064		CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA														MONTH - JUL 84									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	28	27	24	16	17	17	22	27	31	30	33	33	35	28	29	27	30	28	23	18	11	7	9	24
2	6	7	3	4	5	1	3	90	55	24	37	47	53	68	69	68	52	42	47	37	37	34	21	20	35
3	18	20	19	24	17	13	19	30	42	54	67	85	99	98	87	77	84	77	68	57	42	31	40	57	51
4	46	45	40	48	42	41	39	37	47	61	76	66	72	100	****	39	42	58	35	28	29	28	25	27	47
5	34	32	30	20	15	13	8	15	19	-	38	37	32	34	34	43	36	31	30	30	14	6	0	3	24
6	0	0	7	6	6	8	33	25	17	18	30	34	39	41	43	41	36	37	32	25	23	23	23	21	24
7	21	18	19	21	21	20	18	20	21	23	23	24	26	26	27	30	33	34	34	29	13	1	2	1	21
8	0	0	3	5	4	3	3	10	14	29	33	36	36	38	39	42	45	47	45	56	42	36	41	44	27
9	42	37	35	32	24	26	21	24	11	17	19	-	36	44	49	32	50	35	20	50	42	26	39	43	33
10	29	42	38	28	12	6	11	11	24	29	43	47	46	****	55	57	53	57	55	49	42	32	44	41	37
11	25	49	45	40	40	39	37	32	27	29	49	43	45	37	37	42	44	48	49	32	23	19	8	14	36
12	17	18	13	6	6	9	11	22	29	38	46	56	52	56	48	45	43	27	35	34	11	8	6	3	27
13	3	3	3	8	7	7	10	13	27	38	45	45	48	53	63	104	92	75	58	49	32	21	10	13	34
14	10	8	8	5	5	5	14	32	39	49	63	71	81	98	102	91	103	94	57	65	52	50	59	37	50
15	33	25	26	7	11	12	21	29	33	26	47	72	58	60	75	67	67	66	48	52	23	32	36	31	40
16	36	38	35	35	34	19	14	21	27	-	32	35	****	****	36	35	39	38	36	29	17	8	4	2	27
17	9	6	6	7	12	10	9	9	8	13	25	28	33	47	52	49	50	44	38	35	****	****	21	28	25
18	28	22	21	20	21	8	14	17	22	29	34	36	32	35	32	26	23	25	20	-	3	1	1	0	20
19	1	2	3	3	3	1	4	12	23	31	40	47	50	57	62	75	82	76	63	41	51	58	18	13	34
20	16	26	10	13	13	10	10	19	33	37	****	59	****	91	99	103	95	91	63	32	25	36	****	28	43
21	16	11	9	19	20	14	8	31	40	44	56	62	61	67	55	49	47	40	31	24	13	10	9	4	31
22	3	5	10	1	0	1	19	56	-	34	67	97	98	92	91	78	73	81	77	67	64	69	58	66	52
23	41	40	53	57	65	36	44	40	34	61	75	96	****	102	96	88	94	-	80	78	94	94	71	67	68
24	44	31	30	27	22	18	15	17	19	21	24	28	30	34	32	28	27	25	28	26	26	29	28	31	27
25	32	31	28	21	12	10	12	21	25	26	31	34	32	30	30	29	29	29	29	23	9	6	9	12	23
26	11	24	23	25	23	28	26	24	24	24	28	21	32	33	27	19	18	17	6	21	26	29	27	18	23
27	3	9	21	25	30	27	24	21	23	25	27	24	25	22	24	27	27	26	28	25	27	24	25	29	24
28	27	27	-	31	31	14	14	17	25	31	34	33	31	33	32	30	29	30	27	24	13	10	4	3	24
29	5	5	****	14	12	12	14	27	29	31	32	33	36	37	37	36	37	34	32	22	4	0	0	0	21
30	1	1	5	7	10	6	6	9	25	46	62	66	68	79	76	75	67	62	51	39	34	40	36	24	37
31	13	12	18	8	19	24	22	22	25	39	62	81	97	125	121	112	89	84	109	53	53	65	64	63	58
MEAN	19	20	20	19	18	15	17	25	27	33	43	49	49	58	55	54	53	49	44	39	30	28	25	24	33.7

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

OCT 02, 1984

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14118					PUC WATER PUMP STN HWY 21, PETROLIA										MONTH - JUN 84											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	42	49	54	47	51	36	31	36	46	42	50	51	53	62	66	77	77	65	42	38	37	39	41	19	48	
2	22	12	7	8	4	9	22	25	31	35	40	44	47	49	49	51	45	41	35	37	37	42	38	28	32	
3	25	34	55	43	39	31	28	31	31	35	35	39	39	37	39	40	40	42	38	27	19	27	31	28	35	
4	24	24	15	17	16	22	26	35	42	50	55	60	74	****	69	59	63	64	51	40	37	51	40	41	42	
5	45	49	41	36	30	27	33	35	27	44	48	58	74	86	101	105	100	91	88	86	75	49	36	38	58	
6	39	31	26	21	18	18	20	23	38	51	59	61	64	69	94	43	63	51	42	54	49	51	50	45	45	
7	40	40	37	34	29	24	25	31	34	41	55	69	75	72	64	59	55	61	59	52	48	44	50	47	48	
8	38	34	37	40	33	30	34	39	46	52	57	60	68	69	66	60	72	62	61	58	52	45	40	38	50	
9	29	24	27	22	20	19	21	31	42	53	65	68	58	48	63	93	83	59	55	58	52	38	26	25	45	
10	25	21	31	34	35	36	37	42	53	63	72	72	69	69	70	65	53	64	64	61	47	40	37	52	51	
11	52	41	35	35	28	20	24	24	25	27	29	30	32	34	36	38	43	45	48	44	38	30	24	28	34	
12	25	17	14	20	16	20	23	31	36	42	67	75	****	73	77	86	105	101	96	84	83	78	74	66	57	
13	56	47	31	23	19	17	24	40	47	66	79	51	78	89	95	86	92	72	64	51	50	25	25	18	52	
14	29	49	43	39	35	29	23	23	23	23	23	23	23	23	23	23	23	23	27	27	27	24	22	27		
15	25	23	22	22	20	20	18	18	19	25	28	28	29	31	31	27	28	29	29	24	18	18	17	21	24	
16	23	24	21	29	32	27	24	31	37	44	49	53	54	56	59	62	67	62	54	56	52	50	51	47	44	
17	44	49	59	53	49	46	44	40	37	37	37	34	34	33	38	43	48	50	****	****	51	50	45	42	44	
18	45	****	35	35	33	28	28	32	38	48	55	65	57	49	46	45	47	47	47	****	38	29	30	23	41	
19	22	26	35	29	23	22	19	26	38	40	42	43	43	41	39	36	37	36	35	34	31	33	31	36	33	
20	34	28	25	21	24	17	16	18	25	29	27	32	38	39	40	43	39	36	35	32	31	27	18	16	29	
21	12	16	17	11	13	7	15	32	44	46	50	51	59	64	64	71	73	66	63	63	54	41	38	23	41	
22	16	22	28	18	36	40	37	31	39	55	65	61	64	56	53	58	55	51	44	30	35	36	37	37	42	
23	35	35	34	30	30	30	30	41	48	55	73	88	92	96	102	90	92	82	86	101	90	77	72	63	66	
24	63	52	39	31	42	51	46	38	37	43	45	48	45	42	44	44	42	42	42	42	39	34	32	26	42	
25	18	14	15	13	14	16	21	26	31	34	32	35	32	35	34	34	36	35	34	28	17	15	19	20	25	
26	22	14	11	16	18	15	19	****	****	****	****	****	****	****	55	60	78	69	61	58	50	51	48	56	42	
27	49	45	41	41	38	39	39	42	40	42	****	****	****	39	41	39	41	43	39	36	38	30	25	27	38	
28	18	18	16	16	12	10	12	19	32	****	****	36	39	43	44	41	38	37	40	36	28	19	20	26	27	
29	19	15	12	10	7	12	14	19	****	****	30	30	26	27	26	26	23	22	21	20	19	21	18	21	20	
30	19	17	15	10	12	12	14	16	18	22	22	19	20	22	26	31	31	28	28	28	28	26	22	18	21	
MEAN	32	30	29	27	26	24	26	30	36	42	48	49	51	52	55	55	56	52	49	46	42	38	36	33	40.1	

PERCENTAGE OF DATA VALID - 97.5

PERCENTAGE OF DATA INVALID - 2.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 14118

PJC WATER PUMP STN HWY 21, PETROLIA

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	17	17	15	20	16	24	30	32	30	33	34	34	36	36	37	35	35	32	25	18	20	6	6	25
2	5	0	0	0	0	5	12	24	35	25	45	49	56	63	66	61	49	43	37	44	37	28	31	33	31
3	27	25	23	22	17	19	27	45	70	79	82	90	97	****	104	94	99	88	61	54	53	59	54	42	58
4	36	27	34	40	37	31	37	48	63	76	98	101	91	76	89	79	63	59	63	56	42	38	35	34	56
5	31	37	29	24	19	14	15	30	35	40	47	57	70	62	45	51	48	47	44	40	39	38	30	26	38
6	31	35	27	18	25	23	33	34	29	31	29	31	42	49	48	44	40	39	36	30	28	28	28	28	33
7	23	23	23	20	22	22	23	24	24	28	29	29	31	31	34	36	37	39	35	28	14	13	16	15	26
8	6	5	7	5	5	5	12	21	25	33	35	35	41	60	66	62	62	55	49	42	38	42	42	39	33
9	35	35	30	28	28	27	34	40	45	50	55	50	55	66	72	71	75	74	69	69	****	56	48	50	51
10	56	50	45	52	44	36	28	24	29	32	60	72	59	71	71	62	59	54	59	53	53	58	51	43	51
11	48	49	34	38	32	34	30	27	27	23	55	51	46	49	50	51	46	46	48	35	31	23	20	17	38
12	14	9	4	7	8	10	14	18	35	46	53	60	65	54	60	50	46	56	45	42	28	22	16	19	33
13	18	19	16	13	9	13	22	39	49	56	61	65	69	73	66	87	80	79	63	49	43	48	50	47	47
14	41	36	33	31	34	25	23	31	43	72	93	90	94	123	130	130	121	104	101	97	84	69	51	54	71
15	51	50	43	37	32	28	30	39	48	58	73	90	75	78	83	90	90	84	62	50	41	38	30	26	55
16	25	26	21	28	26	20	21	23	29	31	35	34	36	36	****	40	40	41	38	32	17	15	13	12	29
17	15	16	20	10	8	10	12	18	20	39	37	28	37	54	59	62	53	47	49	45	37	25	25	18	31
18	13	15	5	8	7	11	11	19	21	****	****	30	38	39	41	36	29	29	27	24	19	10	8	6	20
19	6	10	10	6	3	3	0	0	8	21	33	38	43	52	54	57	69	75	87	86	72	58	38	35	36
20	34	37	37	38	36	28	24	19	24	33	35	39	69	84	93	85	92	98	103	101	78	57	50	38	55
21	23	23	24	24	17	13	13	11	9	26	44	57	63	68	75	77	71	57	39	30	27	18	6	5	34
22	3	10	13	12	3	3	2	4	12	24	48	69	78	84	93	96	87	83	83	86	70	64	65	64	48
23	63	65	62	58	50	50	43	47	47	46	48	64	87	110	123	122	122	116	106	97	78	83	87	70	77
24	58	58	31	24	23	22	16	11	15	20	23	25	29	27	29	26	26	27	30	28	24	20	17	19	26
25	24	19	18	13	11	7	8	21	24	27	31	33	37	30	29	29	29	29	28	22	15	15	12	21	22
26	17	16	15	17	20	22	24	26	33	39	41	48	49	43	29	27	34	29	26	27	30	31	31	23	29
27	15	18	22	23	19	20	29	32	30	29	31	28	28	25	25	27	27	28	29	28	28	29	29	22	26
28	20	16	15	13	12	11	13	20	29	30	31	31	30	29	30	30	30	30	29	24	14	17	7	5	22
29	3	7	12	14	12	15	16	20	27	32	35	36	36	37	37	37	37	36	32	24	13	9	7	8	23
30	8	15	11	13	14	15	13	16	39	81	78	62	73	76	77	76	72	63	58	45	39	37	37	31	44
31	31	43	30	29	26	26	24	41	****	67	75	76	81	111	130	119	109	95	102	94	74	63	58	56	68
MEAN	26	26	23	22	20	19	21	26	32	41	49	52	56	60	65	63	61	58	54	49	39	36	32	29	39.8

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1975 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

	STATION - SW NO 14119					THEDFORD WATER PUMPING STATION										MONTH - JUN 84										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	50	50	51	51	48	45	43	49	49	50	60	61	59	56	62	61	58	61	60	48	34	41	34	28	50	
2	25	12	10	10	6	5	17	25	32	37	39	45	51	51	50	51	51	46	40	37	38	39	40	35	33	
3	34	35	33	44	43	39	39	38	35	35	35	37	37	38	39	40	42	42	39	30	22	26	30	34	36	
4	29	21	26	25	22	22	22	35	41	47	58	59	59	68	84	84	64	63	63	54	42	31	43	49	46	
5	49	51	51	44	41	36	26	38	32	27	41	62	67	72	93	107	102	99	88	81	78	66	53	45	60	
6	39	40	30	24	23	21	22	30	42	49	56	59	51	53	74	38	29	40	51	51	50	48	49	49	42	
7	44	40	40	40	34	31	27	29	37	45	52	69	71	71	71	64	61	54	53	49	42	44	48	47	48	
8	41	41	38	41	38	35	34	-	42	50	55	59	61	63	61	61	64	68	57	49	49	38	34	31	48	
9	28	23	23	23	18	16	29	38	48	52	56	60	56	56	58	66	80	58	54	54	38	27	36	35	43	
10	24	34	34	36	38	38	38	38	50	56	58	61	65	68	68	68	53	53	52	51	48	44	45	58	49	
11	52	44	37	33	30	24	20	24	24	25	26	28	26	28	30	33	36	31	31	24	23	21	20	24	29	
12	24	20	14	18	20	21	23	29	37	51	57	64	70	81	82	83	85	93	95	90	87	79	79	70	57	
13	59	48	34	25	20	20	42	52	54	57	58	59	64	75	72	89	93	90	85	67	48	34	25	****	55	
14	****	****	43	40	34	30	29	29	****	19	15	14	14	15	18	20	22	24	25	26	22	19	19	14	23	
15	18	15	15	12	16	16	16	16	19	****	****	28	27	27	27	27	28	27	27	25	16	11	11	19	20	
16	17	17	17	14	15	15	22	26	30	36	42	47	51	54	54	55	56	54	51	47	44	44	46	45	37	
17	39	35	38	39	40	38	40	37	28	28	28	27	28	31	33	35	35	41	41	41	44	45	39	36	36	
18	35	31	36	32	29	33	31	40	46	55	55	61	52	47	44	47	47	44	42	37	36	32	28	24	40	
19	30	38	36	36	31	25	22	27	34	36	36	36	31	32	29	28	28	28	25	20	21	16	21	24	29	
20	21	16	11	11	11	9	13	15	21	22	28	32	37	39	40	35	34	32	32	32	23	19	12	14	23	
21	13	11	9	6	6	6	9	19	36	****	40	42	52	61	61	57	50	55	58	53	50	46	34	33	35	
22	29	25	15	12	10	10	15	19	25	31	37	37	38	47	51	49	41	37	28	23	18	29	24	27	28	
23	25	21	20	18	15	14	17	20	30	45	59	71	78	82	84	93	87	82	87	88	73	59	55	49	53	
24	45	43	40	39	33	40	44	38	36	38	40	40	38	37	34	35	37	34	31	33	35	27	20	17	36	
25	12	12	13	12	12	14	15	18	22	25	27	29	27	25	21	****	****	24	23	17	5	5	8	10	17	
26	8	8	5	4	1	1	7	18	23	30	38	47	83	57	44	71	73	75	53	41	35	38	46	52	36	
27	46	40	37	39	38	37	34	36	36	36	46	48	50	46	45	46	45	37	37	38	34	31	29	26	39	
28	17	14	13	16	11	10	11	18	23	27	30	39	40	41	44	44	38	39	37	32	19	25	20	16	26	
29	10	10	8	6	10	10	14	18	23	26	28	28	28	28	25	25	23	23	22	20	16	16	18	18	19	
30	16	14	11	10	9	9	9	11	14	15	17	17	20	21	21	23	24	24	23	22	18	12	15	13	16	
MEAN	30	28	26	25	23	22	24	29	33	38	42	46	48	49	51	53	51	49	47	43	37	34	33	32	37.2	

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

JUL 03, 1985

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW RD 14119

FEDFORD WATER PUMPING STATION

MONTH - JUL 84

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	3	3	5	3	3	13	19	22	25	29	30	30	30	32	32	30	30	30	26	15	4	3	4	18
2	8	16	14	9	6	5	8	15	27	31	35	39	42	53	76	68	69	68	60	52	37	51	45	37	37
3	33	33	30	30	29	24	25	30	****	60	75	80	94	109	123	118	103	97	83	75	63	63	66	56	65
4	47	45	41	30	34	38	40	47	59	71	72	77	74	80	80	55	35	30	23	16	17	31	34	34	46
5	29	28	28	26	19	12	15	26	39	42	47	50	50	49	42	40	37	33	42	28	25	30	29	25	33
6	29	32	29	23	23	21	31	38	31	28	25	31	43	46	45	46	47	45	37	29	29	28	30	31	33
7	30	30	31	31	29	29	25	25	23	25	25	29	29	29	27	32	34	35	32	25	16	12	15	10	26
8	7	7	7	8	6	4	10	16	26	29	32	33	32	37	40	42	44	46	44	39	30	42	41	39	29
9	39	40	37	36	36	31	30	31	36	43	51	52	50	53	59	69	69	72	69	65	63	63	59	53	50
10	50	41	38	38	34	32	33	27	26	32	32	46	50	52	54	58	60	58	53	52	41	40	44	37	43
11	39	50	44	33	33	25	28	35	34	48	53	46	43	43	42	45	47	44	41	30	20	14	11	13	35
12	20	23	15	14	14	9	11	19	29	32	49	63	61	57	53	49	61	51	37	29	12	5	3	2	30
13	5	5	11	18	21	12	15	24	32	44	44	44	46	49	62	72	58	66	60	54	45	44	51	54	39
14	47	43	37	28	29	21	21	32	43	69	75	85	79	102	98	130	125	115	106	96	77	73	65	65	69
15	63	60	53	45	40	35	35	39	50	56	61	80	87	74	78	78	79	78	56	43	32	39	39	35	55
16	29	24	40	35	27	17	19	24	25	29	31	32	****	****	27	31	35	35	31	17	15	4	4	6	25
17	14	16	14	9	9	10	12	18	20	29	34	26	28	44	51	52	45	41	31	35	34	27	22	26	27
18	23	19	12	16	11	11	8	15	16	28	31	33	34	34	27	28	24	20	21	14	2	4	5	7	18
19	10	10	5	6	1	0	1	10	20	25	30	41	42	49	53	55	59	69	81	72	34	35	41	39	33
20	41	41	38	35	25	20	13	22	27	37	48	55	76	85	78	79	84	82	79	72	57	49	42	25	51
21	20	23	15	11	11	7	5	14	30	39	43	53	55	57	55	37	29	27	23	16	2	1	1	1	24
22	0	0	0	0	0	0	5	28	37	49	57	61	64	69	72	72	69	71	71	64	58	68	71	68	44
23	64	69	65	57	48	46	43	45	54	58	69	83	112	124	126	110	75	74	71	75	89	87	67	50	74
24	28	23	23	21	19	15	15	19	20	21	21	22	22	21	22	22	22	23	25	21	18	17	14	7	20
25	10	4	4	5	2	0	9	15	****	23	25	28	27	27	27	28	26	26	26	20	8	1	1	6	15
26	8	5	6	11	13	11	3	13	21	13	15	17	22	32	29	27	40	17	11	16	24	21	17	13	17
27	11	9	8	9	20	25	21	16	17	21	23	24	24	22	22	23	24	26	26	23	21	16	17	15	19
28	12	8	11	11	7	4	5	16	18	24	26	27	27	28	27	26	27	27	27	22	17	7	2	0	17
29	0	1	2	3	7	6	10	14	21	28	32	35	35	37	34	33	32	36	31	17	5	0	2	2	14
30	3	3	5	4	6	4	6	12	32	43	55	58	55	53	53	57	79	76	68	49	39	32	32	27	35
31	31	32	37	35	28	21	17	32	44	46	45	48	60	77	85	80	112	100	83	77	68	65	61	60	55
MEAN	25	24	23	21	19	16	18	24	30	37	42	46	50	54	55	55	54	52	48	41	33	31	30	27	35.6

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - OZONE-CHEMILUMINESCENT																UNITS - PARTS/BILLION									
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON																MONTH - JUN 84									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	30	33	42	43	40	35	34	37	****	53	****	52	51	51	52	54	48	42	30	15	4	3	3	35
2	3	7	0	4	1	1	5	12	27	33	33	38	41	45	50	44	41	34	30	32	29	35	35	34	26
3	33	34	31	26	31	39	34	36	35	39	39	36	37	37	37	37	38	39	36	22	1	4	15	29	31
4	38	39	37	29	23	14	16	18	33	45	50	51	53	57	57	54	51	44	39	29	13	5	12	23	35
5	****	****	48	47	29	13	-	****	31	-	-	****	54	70	81	87	92	95	84	75	66	-	51	40	60
6	25	13	12	15	3	7	15	14	27	39	51	58	57	66	48	-	****	27	34	43	41	31	39	44	32
7	34	19	24	15	9	10	19	21	32	47	52	53	56	63	58	56	56	53	48	51	49	48	46	43	40
8	35	34	37	36	30	36	32	35	43	48	52	58	62	63	52	46	43	37	34	26	28	36	31	31	40
9	27	29	26	25	23	17	18	23	33	51	57	66	66	62	60	51	50	55	52	43	24	20	38	50	40
10	52	47	45	49	47	46	41	40	45	56	57	59	55	66	62	60	59	47	46	33	38	19	28	27	47
11	48	49	45	38	32	-	17	18	17	****	17	20	23	28	29	33	37	38	35	24	11	6	0	0	26
12	2	2	0	0	0	2	12	23	31	41	43	44	59	60	-	53	-	61	61	64	66	59	59	59	36
13	47	45	47	44	31	22	21	36	44	56	64	68	67	70	74	76	85	87	71	51	37	23	22	26	51
14	19	20	26	49	42	34	25	23	23	23	18	16	14	13	13	16	16	17	16	21	19	16	15	15	21
15	14	18	13	14	23	17	15	18	24	30	34	36	39	38	****	****	42	41	35	21	15	9	11	10	24
16	6	4	11	11	15	15	22	25	25	35	41	47	50	53	54	49	47	41	43	43	30	34	35	33	32
17	33	32	37	29	32	****	****	****	26	26	24	18	22	24	23	****	****	39	44	42	44	24	29	25	30
18	****	****	****	****	****	****	****	****	24	24	24	40	31	12	16	12	10	9	8	7	5	5	3	3	15
19	5	7	7	8	7	5	5	7	8	8	10	****	35	36	32	32	32	35	32	25	16	15	7	4	16
20	2	7	14	14	11	10	11	15	19	24	31	38	42	45	43	43	51	36	31	33	31	23	25	26	26
21	27	16	17	-	15	6	15	28	35	36	48	54	58	****	62	****	****	****	****	****	15	8	4	2	26
22	0	****	****	12	6	1	10	13	21	26	28	35	35	40	36	36	43	37	29	63	32	****	29	28	27
23	27	30	28	22	22	20	24	34	45	60	77	95	102	108	105	110	114	114	99	78	68	68	64	59	66
24	53	32	43	50	52	43	38	47	****	35	44	44	44	45	****	39	40	43	38	28	28	37	32	27	40
25	27	27	25	19	17	13	12	18	24	26	27	26	27	27	29	29	29	30	30	26	15	6	8	6	22
26	6	4	4	4	4	4	7	19	17	****	****	44	48	45	40	45	46	47	36	28	25	28	31	32	26
27	32	28	30	31	30	27	29	29	27	22	30	30	32	24	25	23	31	32	26	22	22	16	11	14	26
28	16	14	13	13	9	4	4	8	13	16	19	25	29	31	30	30	26	26	25	19	8	1	1	3	16
29	11	13	9	8	10	9	6	10	13	17	18	20	22	30	26	27	25	26	21	16	10	8	7	7	15
30	5	5	7	9	9	9	9	13	17	22	26	30	31	32	34	34	35	33	29	24	35	31	17	10	21
MEAN	23	22	24	24	21	17	18	23	27	34	38	43	45	46	45	45	46	44	40	35	28	22	24	24	31.5

PERCENTAGE OF DATA VALID - 93.6

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - JUL 84										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	7	7	8	12	12	12	15	19	21	22	24	25	26	27	27	27	24	22	15	11	9	3	3	16
2	3	1	3	12	12	11	13	18	24	27	31	37	37	37	39	36	39	35	28	33	33	27	17	12	24
3	14	14	27	26	10	12	10	16	30	38	49	56	57	63	57	59	69	63	54	40	42	42	44	43	39
4	38	34	28	15	8	11	10	11	12	16	18	16	17	16	11	7	6	5	3	1	1	2	1	0	12
5	0	0	0	0	0	1	0	4	31	-	****	37	43	52	52	43	24	21	23	19	8	11	5	9	17
6	11	23	28	18	18	19	17	19	11	14	19	26	27	27	13	13	22	20	21	21	17	16	12	17	19
7	16	17	18	16	17	16	15	16	16	15	15	18	19	20	21	22	20	25	24	17	2	0	0	0	15
8	0	0	0	0	0	0	0	5	21	26	28	28	28	29	30	29	31	33	31	36	27	24	14	12	18
9	12	19	37	27	25	19	14	22	30	33	40	-	46	46	43	51	57	55	47	47	49	46	42	35	37
10	32	33	31	29	27	19	12	16	12	18	26	26	42	43	30	18	18	14	7	5	2	1	0	0	19
11	4	4	4	3	1	0	0	0	0	0	1	3	3	3	2	2	3	4	4	3	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2	3	3	3	****	70	40	41	39	35	28	19	11	0	0	13
13	0	0	0	0	0	0	1	13	24	28	38	50	56	47	49	46	50	50	35	22	10	20	23	35	25
14	28	40	44	50	49	41	36	29	47	55	61	67	65	65	63	61	68	71	65	54	42	42	49	55	52
15	57	58	51	47	42	39	36	37	40	49	56	61	68	60	56	63	65	57	59	51	25	14	22	25	47
16	24	21	20	25	21	15	14	15	19	-	****	27	29	27	26	24	26	33	34	21	13	1	1	0	20
17	0	0	0	0	0	0	3	10	25	30	31	35	31	30	39	41	44	44	34	30	****	****	15	18	21
18	9	19	20	16	15	8	7	10	17	24	28	26	33	32	34	30	30	32	28	-	11	5	2	4	19
19	7	8	3	2	3	6	8	10	18	25	****	****	40	49	47	46	46	40	36	28	8	12	33	41	23
20	32	37	48	45	39	23	21	23	32	43	****	58	****	66	63	63	63	68	64	53	45	42	****	37	46
21	24	24	24	25	18	16	14	22	32	47	58	64	72	69	71	66	68	65	63	55	40	24	8	6	41
22	4	1	0	1	0	2	12	36	-	67	65	58	62	65	68	68	72	72	65	52	45	43	55	66	43
23	65	60	61	53	38	19	20	29	42	****	70	73	76	73	78	81	92	-	83	74	63	69	70	62	61
24	41	26	23	22	20	16	10	12	16	18	22	26	23	23	21	22	23	28	25	26	18	11	10	11	21
25	12	8	12	11	13	10	7	15	19	24	28	32	38	31	29	30	26	26	28	21	7	3	2	1	18
26	0	0	0	0	0	0	1	1	2	2	13	23	****	24	27	25	23	21	11	9	12	11	8	9	10
27	14	14	17	21	16	6	4	9	16	22	26	24	24	23	24	31	31	26	22	16	11	9	9	7	18
28	4	2	-	8	5	3	5	8	18	27	31	30	33	36	36	39	42	35	35	30	28	18	15	9	22
29	5	7	****	8	7	9	12	17	23	33	39	44	47	46	49	53	49	46	41	33	13	7	4	5	26
30	2	1	0	0	0	0	1	3	17	26	40	48	55	59	55	61	61	56	43	31	15	1	0	0	24
31	0	0	0	0	0	0	0	3	****	****	67	72	74	72	71	70	68	58	55	37	39	55	54	62	39
MEAN	15	15	17	16	13	11	10	14	21	27	34	38	40	42	42	41	42	39	36	30	22	19	17	19	25.8

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

JUL 03, 1985

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - SW NO 15013

PARKHILL WATER PUMPING STATION

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	7	3	4	5	5	4	5	18	21	27	25	29	30	31	31	35	31	31	30	25	17	16	12	6	19	
2	6	7	8	11	10	6	13	19	26	30	37	37	43	44	54	54	55	60	73	59	51	34	32	32	33	
3	34	25	22	23	23	19	21	31	41	****	74	80	89	95	113	114	108	99	97	81	75	73	73	67	64	
4	54	50	37	35	36	37	35	49	62	74	80	88	75	80	82	61	38	34	20	19	40	46	29	24	50	
5	12	20	11	10	12	10	10	19	27	40	41	46	47	53	46	43	37	36	33	31	25	24	22	26	28	
6	34	32	29	24	24	21	31	38	33	32	34	37	37	46	49	51	48	46	37	31	30	30	31	31	35	
7	33	31	30	30	32	30	28	28	25	25	23	26	27	30	29	31	31	31	34	31	30	24	10	8	27	
8	10	8	11	7	3	4	8	15	23	29	32	34	34	30	37	39	40	43	41	29	25	37	37	39	25	
9	41	42	40	36	34	30	29	32	38	41	50	55	55	57	59	72	72	72	73	69	64	62	60	55	52	
10	54	48	43	46	43	41	37	38	28	37	39	42	54	51	56	58	60	59	58	51	46	30	35	38	46	
11	36	49	52	43	37	35	31	31	36	51	59	50	47	43	43	45	48	48	43	36	27	18	10	3	38	
12	6	3	5	7	7	7	11	16	20	****	44	64	63	55	50	47	58	53	46	41	25	13	7	6	28	
13	7	5	5	7	9	12	13	19	32	41	46	49	47	46	60	73	58	61	60	57	52	44	45	51	38	
14	52	51	51	42	42	43	28	34	44	69	85	94	99	96	108	125	129	93	93	90	84	74	68	66	73	
15	63	60	55	49	44	38	37	40	50	55	65	79	87	78	75	81	82	86	65	43	41	45	43	38	58	
16	35	30	34	35	32	26	23	25	27	27	30	32	33	****	34	34	38	39	34	31	18	13	9	9	28	
17	8	12	14	14	15	13	15	17	25	36	42	37	32	40	52	54	****	****	****	****	****	****	****	****	****	27
18	- DATA INVALID -																									
19	- DATA INVALID -																									
20	- DATA INVALID -																									
21	- DATA INVALID -																									
22	- DATA INVALID -																									
23	- DATA INVALID -																									
24	- DATA INVALID -																									
25	****	****	****	****	****	****	****	****	****	****	31	31	32	31	31	31	31	31	27	19	12	5	5	4	*****	
26	6	8	8	9	9	9	9	12	9	10	11	19	22	35	28	35	25	24	16	22	32	23	23	21	18	
27	16	18	18	19	16	13	17	17	23	25	25	25	27	26	26	26	26	27	27	25	21	15	13	13	21	
28	10	11	11	10	8	8	7	15	21	29	32	30	34	34	34	31	31	32	31	28	14	9	7	5	20	
29	5	7	7	11	12	14	17	20	30	37	37	38	39	39	36	34	34	38	34	23	12	6	6	6	23	
30	11	5	8	8	8	6	7	8	24	45	57	63	63	62	56	55	56	60	61	44	36	25	25	22	34	
31	17	22	20	24	22	21	21	34	45	64	68	75	86	85	93	108	86	80	74	70	66	66	68	68	58	
MEAN	24	24	23	22	21	20	20	25	31	39	45	48	50	52	53	56	53	51	48	42	37	32	29	28	36.5	

PERCENTAGE OF DATA VALID - 74.5

PERCENTAGE OF DATA INVALID - 25.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - OZONE-CHEMILUMINESCENT

UNITS - PARTS/BILLION

STATION - S.W. RD 18007

CONCESSION RD. 2, LOT 4 TIVERTON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	5	5	6	6	8	7	14	20	24	24	24	25	26	24	24	24	24	20	16	5	3	1	0	14
2	0	3	5	7	6	3	5	10	18	21	25	26	32	32	34	36	48	50	46	43	18	19	27	44	23
3	51	48	38	34	30	26	29	34	44	50	54	****	54	68	81	84	81	83	84	87	77	65	60	64	58
4	65	57	62	65	63	55	48	54	62	60	59	52	49	43	35	38	37	29	21	15	17	21	18	13	43
5	9	19	20	23	19	8	20	25	25	24	23	26	25	25	22	21	25	27	19	17	18	26	32	30	22
6	25	29	30	30	26	35	34	36	32	35	42	43	43	45	47	47	35	25	23	22	24	23	25	25	33
7	24	22	21	21	20	20	18	18	17	18	18	21	22	22	19	21	22	23	24	24	20	6	2	2	19
8	3	3	4	1	2	3	14	22	25	26	27	29	31	30	37	42	43	41	39	35	18	27	29	31	23
9	32	35	37	36	37	32	31	36	33	34	38	45	50	50	44	45	44	45	47	43	37	37	35	30	39
10	27	24	23	19	18	17	13	16	13	12	12	13	10	10	10	8	9	9	9	7	6	6	8	9	13
11	8	9	10	10	10	10	10	10	9	9	****	36	35	32	22	19	23	21	21	16	8	9	22	30	17
12	31	30	18	14	10	2	9	18	21	24	28	35	31	29	29	22	29	32	39	34	12	3	0	0	21
13	0	11	16	16	15	22	9	19	24	27	27	38	42	42	48	52	54	51	49	46	48	63	68	65	36
14	57	48	44	37	37	36	32	38	51	61	63	63	66	68	63	63	68	68	64	59	59	73	76	69	57
15	65	64	58	53	50	50	46	49	49	50	50	50	51	53	56	49	49	46	42	41	34	27	20	25	47
16	22	4	4	5	11	14	14	14	14	16	15	17	16	13	13	13	15	17	18	13	4	1	2	4	11
17	8	9	10	10	11	13	14	19	22	23	23	21	-	****	49	51	48	60	74	59	57	45	25	13	30
18	5	4	2	4	7	16	25	35	29	31	34	32	31	33	27	19	20	25	25	25	24	27	24	25	22
19	25	25	12	11	8	6	14	20	23	31	35	42	46	49	49	44	55	59	60	62	56	54	52	54	37
20	49	33	32	30	29	25	24	32	36	45	49	56	66	66	57	56	60	62	54	34	21	11	13	16	40
21	16	8	5	6	4	4	10	38	41	38	38	36	26	22	22	23	24	26	22	22	12	6	2	4	19
22	4	5	5	4	5	5	3	11	20	27	26	29	32	36	54	69	78	66	63	57	60	61	65	70	36
23	72	83	85	78	74	71	62	58	61	64	70	74	77	82	73	70	82	84	52	40	35	35	25	27	64
24	27	24	24	24	21	18	15	20	22	22	22	22	22	23	23	19	30	29	31	30	31	28	20	22	24
25	20	10	13	8	2	2	5	12	20	24	25	27	25	24	20	16	22	22	21	12	5	5	2	2	14
26	5	4	12	15	12	4	8	13	15	18	23	29	41	48	40	37	42	39	33	26	27	24	19	20	23
27	15	15	19	24	24	18	12	14	14	18	20	21	21	22	24	25	26	26	27	27	26	27	22	22	21
28	13	9	8	8	6	6	7	13	15	22	24	24	23	24	22	25	25	26	25	22	9	6	3	2	15
29	1	3	3	5	6	7	4	8	22	27	27	28	31	31	28	30	30	30	25	11	5	5	3	8	16
30	11	14	20	22	23	20	15	20	24	30	39	48	50	57	58	45	49	49	43	34	25	28	8	17	31
31	37	39	35	32	33	30	31	42	50	55	58	73	78	78	77	78	79	83	112	134	113	96	83	81	67
MEAN	24	22	22	21	20	19	19	25	28	31	34	35	38	39	39	38	41	41	40	36	29	28	26	27	30.1

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1975 DATA

NO Data

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.) UNITS PPB
 STATION HURON VIEW NURSERY MONTH JUN 1984

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1																									
2																									
3																									
4																									
5																									
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25																									
26																									
27																									
28																									
29																									
30	5	5	5	0	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
																	5	5	5	0	0	0	0	0	
MEAN																									
PERCENT																									
TOTAL																									

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION HURON VIEW NURSERY

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	10	20	5	5	0	0	0	0	0	0	0
2	0	0	0	5	25	25	17	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	5	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	2	2	0	0	0	0	0
5	0	0	0	0	0	3	15	15	9	11	15	16	18	10	0	0	3	5	8	3	2	0	0	0	0
6	0	0	0	0	0	0	0	0	2	5	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18	7	0
8	2	4	15	14	11	13	17	10	2	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	4	5	0	0	0	0	CAL	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
12	0	0	0	0	0	0	3	5	4	0	**	0	5	3	0	0	0	0	0	0	0	0	0	0	0
13	2	4	0	0	0	3	7	8	2	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	3	3	4	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
17	3	0	0	0	0	0	0	0	3	8	3	2	6	3	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	CAL	0	0	0	0	0	0	0	0	0	0	0	3	18	4	0
19	2	1	3	4	7	15	22	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	2	3	3	4	3	0	0	0	0	0	0	0	0	0	3	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
22	0	0	0	0	0	0	0	2	5	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0
26	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	1	0	**	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	2	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	0
30	12	20	4	0	0	7	8	11	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MEAN

PERCENT

TOTAL

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION GRACE CHURCH

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12										17	****	10	11	10	12	9	****	9	7	6	7	8	9	9	9.5
13	14	14	16	7	7	13	10	7	6	6	6	6	7	6	6	****	6	6	7	6	9	11	19	16	9.2
14	8	6	6	6	5	6	6	7	6	5	5	6	4	4	4	4	****	4	3	3	3	3	3	3	4.8
15	4	3	3	3	4	3	4	4	4	4	4	4	4	4	4	****	4	4	3	3	4	4	11	27	5.0
16	31	18	10	6	6	4	6	7	6	5	11	10	6	5	****	5	5	9	9	7	7	5	5	6	8.2
17	6	6	6	6	6	7	7	6	8	8	9	9	12	****	12	13	14	14	11	11	10	11	19	29	10.4
18	23	14	15	19	12	16	22	40	49	47	14	10	****	9	9	11	9	10	13	9	9	9	8	8	16.7
19	8	7	8	7	7	13	13	11	8	7	6	5	5	5	5	6	6	6	5	5	****	5	5	5	6.9
20	5	5	5	5	5	5	6	6	9	7	6	6	****	12	12	9	7	6	6	6	5	****	6	6	6.6
21	6	5	5	5	6	7	7	7	8	7	6	5	5	5	6	5	5	4	5	****	6	6	6	6	5.8
22	7	5	6	6	6	6	6	9	7	7	5	5	5	6	6	7	7	6	****	7	7	5	6	6	6.2
23	5	5	5	5	4	4	6	7	8	8	7	7	7	7	8	9	****	8	8	7	8	10	11	12	7.2
24	18	17	17	14	14	14	13	11	14	10	10	9	7	7	7	6	6	****	6	11	10	7	12	10	10.9
25	11	13	19	14	9	12	9	11	9	8	7	6	7	7	7	7	****	7	7	8	8	7	7	7	9.0
26	9	11	9	14	17	27	17	15	15	11	7	7	8	7	7	****	10	10	8	8	9	9	9	9	11.0
27	9	8	10	9	12	13	12	14	17	****	14	8	8	7	7	7	7	7	7	8	9	9	8	9	9.5
28	9	9	9	8	8	11	19	15	16	17	8	7	7	7	****	7	9	7	6	6	5	7	7	7	9.2
29	7	7	6	7	7	6	6	7	10	11	9	7	7	5	****	7	8	6	5	4	3	3	3	3	6.3
30	3	3	2	2	2	2	2	3	3	4	3	3	3	****	2	2	2	4	3	3	3	3	3	3	2.7
MEAN	8.7	7.4	7.5	6.8	6.5	8.0	8.1	8.9	9.7	9.0	6.5	5.9	5.8	5.4	5.8	6.0	5.8	6.3	5.7	5.9	5.8	5.8	7.1	8.2	7.0

41

PERCENTAGE OF DATA VALID 69.2

TOTAL MONTHLY SUM= 3470.00 TOTAL MONTHLY RECORD HOURS = 498.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION GRACE CHURCH

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	3	3	3	5	5	5	4	5	5	4	2	5	6	4	2	2	2	2	5	5	11	4.0
2	3	4	3	6	4	12	17	8	24	32	13	5	3	2	2	3	3	3	4	4	5	3	4	3	7.1
3	3	4	4	35	21	7	30	24	31	39	48	37	53	37	32	35	38	32	35	20	4	4	10	4	24.5
4	4	4	7	5	5	5	10	9	7	7	5	4	5	5	4	6	5	5	5	6	5	4	4	5	5.5
5	11	12	8	4	5	5	6	5	4	5	6	6	4	4	4	4	12	21	28	33	42	26	13	39	12.8
6	57	35	16	5	4	6	3	4	17	41	****	****	3	3	4	4	3	3	3	2	2	2	1	1	10.0
7	1	1	1	1	1	1	1	2	1	2	2	1	1	2	2	2	2	2	2	2	22	17	33	44	6.1
8	51	47	23	4	4	10	11	4	2	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	7.7
9	2	2	2	2	2	3	5	6	8	9	17	12	5	6	4	5	5	8	14	5	4	4	4	5	5.8
10	5	5	4	5	5	5	7	12	12	9	6	6	****	****	****	49	26	9	7	6	6	6	6	6	9.6
11	7	6	6	7	6	7	7	7	7	6	5	5	4	4	4	4	4	4	5	5	5	5	6	4	5.4
12	4	4	4	3	3	4	7	9	9	7	7	5	4	4	4	4	4	4	4	4	4	9	25	40	7.3
13	61	67	55	20	9	16	20	23	14	7	6	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	DATA MISSING																								****
15	DATA MISSING																								****
16	****	****	****	****	****	****	****	****	****	****	7	5	7	10	10	4	3	3	2	2	8	4	4	16	6.1
17	16	2	2	2	2	3	11	14	14	17	8	5	10	7	7	5	7	6	7	10	5	5	2	2	7.0
18	2	2	2	1	1	2	3	3	3	4	2	3	3	3	3	3	2	2	2	0	23	63	103	63	12.4
19	36	5	4	4	27	27	22	12	5	4	3	3	2	3	3	3	4	5	4	4	4	5	3	3	8.1
20	3	4	4	4	4	9	18	11	10	9	9	8	5	5	5	5	6	5	5	5	6	8	5	5	6.6
21	5	5	5	5	5	5	7	7	6	5	5	4	5	5	4	5	4	4	4	4	4	4	4	4	4.8
22	5	4	4	4	4	7	10	5	10	7	7	5	4	4	5	6	6	5	5	5	5	5	5	5	5.5
23	5	6	6	6	6	7	10	9	9	7	7	5	5	5	5	5	5	6	6	6	6	6	5	5	6.2
24	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	1	1	1	1	2.1
25	1	1	1	1	1	1	1	2	3	4	3	2	****	****	3	2	3	3	2	3	5	5	7	4	2.6
26	3	3	3	3	3	4	4	7	7	6	4	6	5	3	4	4	4	4	6	4	3	4	3	3	4.2
27	4	4	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	2	3	2	2	2.8
28	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	2.8
29	5	7	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	18	45	19	10	6.4
30	17	39	21	11	20	40	57	29	10	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	12.4
31	4	4	4	4	4	11	18	17	17	16	9	5	5	5	5	6	6	6	5	5	5	6	6	6	7.5
MEAN	11.5	10.2	7.2	5.6	5.6	7.5	10.7	8.7	8.8	9.4	7.1	5.7	5.9	5.2	5.0	6.6	6.1	5.6	6.2	5.5	7.3	9.2	10.4	10.8	7.6

PERCENTAGE OF DATA VALID 89.5

TOTAL MONTHLY SUM= 5060.00 TOTAL MONTHLY RECORD HOURS = 666.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION RIVER BEND

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	5	8	9	11	7	8	43	****	13	6	9	8	10	13	9	18	6	4	6	8.8
2	7	4	3	4	15	8	9	10	7	8	6	6	****	6	6	7	7	7	9	6	6	5	5	6	6.8
3	16	7	7	7	6	6	6	7	7	7	7	7	5	5	6	7	7	8	8	9	7	****	7	5	7.1
4	5	4	4	3	3	3	10	9	7	6	5	7	6	7	7	25	26	11	9	8	7	6	5	5	7.8
5	4	4	4	4	4	5	7	7	8	8	10	9	14	15	9	11	11	10	11	10	10	9	8	8	8.3
6	8	9	9	10	9	14	14	14	12	12	13	13	13	14	18	16	16	16	14	****	11	10	9	10	12.3
7	9	9	9	11	9	10	13	16	15	14	15	15	13	13	14	15	16	****	19	15	13	11	10	9	12.7
8	8	8	9	9	9	9	10	11	11	11	11	12	12	13	13	14	15	16	16	15	14	13	12	12	11.8
9	11	11	11	11	11	12	12	13	13	12	11	12	16	15	15	15	16	18	21	15	12	9	9	7	12.8
10	18	6	7	8	8	9	10	11	12	11	11	11	12	13	14	15	16	17	17	15	13	11	9	7	11.7
11	6	5	6	6	6	7	8	8	9	7	20	29	35	48	20	****	11	12	14	12	22	12	5	4	13.6
12	4	4	4	4	4	5	7	10	12	8	13	11	7	9	12	10	12	14	13	12	11	10	8	8	8.8
13	7	7	7	7	7	8	11	12	11	11	13	15	18	14	15	68	97	15	15	12	9	7	5	4	16.5
14	4	4	3	2	1	1	3	8	6	11	14	7	7	6	****	14	15	12	10	2	0	0	0	0	5.7
15	1	0	0	0	0	0	2	1	1	3	0	11	6	****	15	15	7	5	6	5	0	0	1	0	3.4
16	0	0	0	0	0	0	0	1	2	0	0	0	****	24	18	4	2	2	1	0	0	0	0	0	2.3
17	0	0	1	1	2	2	3	3	4	4	5	6	6	6	6	7	7	8	8	****	6	7	7	7	4.6
18	7	7	6	5	5	6	8	10	12	9	0	9	10	12	13	15	18	17	23	****	10	16	6	5	10.0
19	5	5	4	3	5	7	15	18	6	7	8	6	6	5	8	10	7	7	****	4	3	4	3	3	6.5
20	1	1	1	1	0	2	3	7	5	4	3	17	6	15	9	14	7	9	7	****	4	1	4	5	5.5
21	4	1	0	0	2	14	7	4	5	3	2	2	9	6	7	8	6	6	6	12	2	1	1	1	4.5
22	0	0	0	0	0	4	4	3	****	****	2	2	2	2	4	5	****	6	4	4	1	1	1	1	2.2
23	1	1	1	0	0	0	1	3	4	4	4	4	5	5	6	6	7	6	5	5	4	3	3	3	3.4
24	3	3	3	3	3	3	3	3	3	4	2	2	2	3	3	****	3	3	6	2	0	0	2	0	2.6
25	0	0	0	0	0	1	5	7	4	3	1	4	3	0	****	9	6	14	5	6	4	5	1	0	3.4
26	0	0	0	0	4	15	18	23	8	3	2	2	2	1	2	28	34	8	3	2	1	0	0	0	6.5
27	1	1	2	2	2	2	4	4	5	7	4	4	3	2	2	3	2	1	2	2	1	1	1	1	2.5
28	0	1	1	1	0	1	7	7	4	3	****	****	****	****	3	6	5	6	5	6	3	2	1	3	3.3
29	0	0	0	0	1	2	6	2	3	6	9	8	****	4	8	11	12	8	6	3	4	2	1	0	4.2
30	0	0	0	1	0	2	3	2	10	15	12	28	24	17	19	17	13	9	9	****	7	12	10	4	9.3
MEAN	4.4	3.5	3.5	3.5	3.9	5.4	7.2	8.1	7.5	7.2	7.3	10.4	9.7	10.5	9.9	13.7	14.1	9.7	9.8	7.6	6.8	5.7	4.6	4.1	7.4

PERCENTAGE OF DATA VALID 96.7

TOTAL MONTHLY SUM= 5116.00 TOTAL MONTHLY RECORD HOURS = 696.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION RIVER BEND

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	3	2	2	3	2	12	20	12	3	6	14	15	8	8	10	9	8	6	10	****	6	20	11	8.5
2	4	3	2	5	4	4	3	15	14	9	3	2	1	2	3	4	5	5	5	4	3	2	1	0	4.3
3	1	0	1	0	1	4	7	6	2	0	1	1	2	2	4	4	5	6	****	6	4	3	3	2	2.8
4	2	1	1	1	1	0	1	1	1	1	1	1	2	3	3	6	6	6	****	2	2	0	0	0	1.8
5	0	0	0	0	0	0	5	10	5	8	0	0	5	9	5	****	4	2	3	2	2	1	1	1	2.7
6	0	0	0	1	1	3	3	1	2	3	4	4	0	0	1	****	2	3	2	0	3	0	0	0	1.4
7	0	0	0	0	0	0	0	0	1	3	0	2	0	0	3	****	0	1	1	0	0	3	0	0	0.6
8	1	0	1	1	0	2	3	2	0	0	0	0	0	0	0	****	6	4	0	0	0	0	0	0	0.9
9	0	0	0	0	0	0	2	7	****	****	2	6	24	18	****	15	3	4	4	3	4	4	****	****	5.1
10	DATA MISSING																								
11	DATA MISSING																								
12	DATA MISSING																								
13	DATA MISSING																								
14	****	****	****	****	****	****	****	****	****	****	****	****	19	15	15	14	5	8	7	6	3	4	5	7	9.0
15	8	8	9	10	12	10	12	12	12	14	17	11	10	12	9	8	****	8	7	4	6	7	6	3	9.3
16	3	0	0	0	0	2	5	5	4	3	3	4	5	0	0	0	****	4	0	2	0	0	0	0	1.7
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0.0
18	0	0	0	0	0	0	0	0	0	****	0	0	****	****	5	7	****	3	4	0	5	0	0	0	1.2
19	0	0	0	0	11	32	25	6	0	0	0	0	****	2	1	****	3	2	0	0	0	0	0	0	3.7
20	0	0	0	0	0	0	3	3	5	0	0	0	0	0	0	****	0	0	5	6	7	5	4	2	1.7
21	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	6	6	1	0	0	0	10	2.9
22	3	0	1	0	9	9	10	22	8	2	1	1	2	1	****	8	9	3	1	1	1	0	0	0	4.0
23	0	0	0	1	1	2	4	6	6	5	2	1	1	2	2	4	6	8	9	6	6	4	4	3	3.5
24	3	3	3	0	0	0	6	1	0	****	2	****	9	8	9	7	5	4	2	0	0	0	0	0	2.8
25	0	0	0	0	0	0	0	0	16	11	0	0	0	3	2	5	4	3	2	9	2	0	0	0	2.4
26	0	0	0	0	0	****	3	0	0	0	3	1	0	0	1	3	3	6	1	****	0	0	0	0	1.0
27	1	0	0	0	0	0	0	2	3	2	3	6	4	3	8	11	8	****	7	6	0	0	0	0	2.8
28	0	0	0	0	0	0	0	1	9	7	9	7	4	1	1	3	4	1	****	0	0	0	0	1	2.1
29	0	0	0	0	0	2	0	0	0	1	7	6	8	9	10	3	5	0	2	1	0	0	0	0	2.3
30	0	0	0	0	4	6	9	7	2	1	0	0	0	6	3	3	****	3	3	0	0	0	0	0	2.0
31	0	0	0	0	0	0	0	1	****	2	1	1	0	0	0	4	3	1	1	0	1	1	2	1	0.8
MEAN	1.2	0.7	0.9	0.9	1.9	3.2	4.5	5.0	4.4	3.4	2.6	2.8	4.6	4.1	3.8	5.8	4.3	3.8	3.4	2.7	1.9	1.5	1.8	1.6	2.9

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PERCENTAGE OF DATA VALID 81.3

TOTAL MONTHLY SUM= 1757.00 TOTAL MONTHLY RECORD HOURS = 605.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION FRONT STREET

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	7	7	6	5	22	37	31	35	31	25	13	18	21	11	12	14	12	14	9	11	10	7	7	15.6
2	7	6	7	7	9	21	27	21	51	12	10	12	12	12	12	11	10	18	28	13	****	11	19	13	15.2
3	10	11	7	12	9	11	10	21	20	7	8	7	9	10	12	48	44	37	12	****	280	46	31	26	29.9
4	26	48	16	24	55	26	31	23	10	9	10	12	19	15	11	13	24	21	22	****	23	19	17	20	21.5
5	20	10	5	5	13	18	37	27	35	53	28	19	18	21	19	18	19	16	18	16	16	24	20	32	21.1
6	33	50	46	45	28	30	38	45	19	19	15	22	****	23	15	34	36	31	****	16	18	16	20	22	28.2
7	24	25	27	37	33	49	64	109	88	69	35	33	37	51	30	26	****	26	34	28	28	31	36	19	40.8
8	20	26	25	56	50	62	65	50	49	41	31	35	28	50	49	34	29	33	27	28	51	41	89	70	43.3
9	44	33	38	38	32	37	26	22	16	13	21	19	22	28	50	30	****	17	15	13	28	9	9	9	24.7
10	9	14	28	27	43	53	36	40	39	50	23	24	21	22	33	****	14	14	13	13	18	18	13	9	25.0
11	8	8	12	8	9	10	9	7	7	8	8	9	22	11	****	10	12	10	8	8	8	19	22	14	10.7
12	17	21	14	19	14	17	37	27	38	26	24	36	23	35	****	22	36	29	18	18	22	23	29	34	25.2
13	23	35	34	55	22	69	55	40	11	17	8	7	12	****	11	2	10	****	****	25	8	24	20	14	23.9
14	9	9	4	4	5	8	6	10	9	9	16	8	8	****	7	7	4	4	2	3	1	3	1	1	6.0
15	2	0	0	0	2	1	5	2	2	****	14	4	****	4	4	6	7	14	20	12	8	16	29	29	8.2
16	22	22	15	14	4	4	8	16	18	10	13	7	6	20	31	21	9	23	25	10	17	****	10	11	14.6
17	11	9	11	12	7	3	8	7	9	21	11	21	17	16	21	21	20	21	****	19	19	28	59	49	18.3
18	34	30	58	14	23	26	53	38	34	32	17	15	12	14	12	12	11	14	****	9	27	12	13	18	23.0
19	27	32	18	15	20	36	28	20	15	8	7	14	****	0	7	7	6	****	8	6	6	5	7	8	13.6
20	6	4	6	1	44	63	34	14	12	9	14	8	7	6	5	7	6	5	****	5	4	4	5	4	11.9
21	5	3	3	5	4	4	11	11	6	5	6	4	4	5	5	4	****	4	6	5	6	8	7	7	5.6
22	15	10	16	33	10	66	80	39	22	66	94	27	23	21	12	****	9	9	13	12	20	16	11	8	27.5
23	9	5	9	15	19	20	16	13	14	10	8	9	13	12	****	9	10	12	10	11	11	17	12	13	12.0
24	DATA MISSING																								
25	****	****	****	****	****	****	****	****	****	****	4	4	6	****	8	7	2	1	3	8	10	8	7	16	6.5
26	15	8	11	11	1	31	26	26	22	8	3	3	6	****	8	12	33	36	8	13	10	16	4	16	14.2
27	4	7	15	39	23	34	32	52	56	18	14	4	1	1	0	1	4	3	2	3	5	6	3	9	14.0
28	8	9	5	7	9	17	20	****	****	****	0	0	****	0	0	0	0	0	7	10	19	4	4	3	6.1
29	3	0	0	3	0	0	2	4	0	0	0	0	0	1	0	0	0	0	1	0	0	****	0	24	1.7
30	0	4	0	0	0	0	0	0	1	0	0	3	1	0	1	1	2	5	****	1	2	4	5	3	1.4
MEAN	15.0	15.9	15.6	18.3	17.6	26.4	28.6	26.5	23.6	21.2	16.1	13.1	13.8	16.0	14.4	13.9	14.3	15.4	13.7	11.6	24.1	16.2	17.6	17.5	17.8

PERCENTAGE OF DATA VALID 90.7

TOTAL MONTHLY SUM= 11635.00 TOTAL MONTHLY RECORD HOURS = 653.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITRIC OXIDE (CHEMILUM.)

UNITS PPB

STATION FRONT STREET

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	3	5	2	5	5	1	2	5	2	2	3	6	4	5	1	3	****	2	12	14	9	4.0
2	5	13	14	14	23	23	29	11	16	26	11	5	4	4	3	11	4	6	3	11	8	9	13	11	11.5
3	8	3	7	3	3	8	12	7	3	2	8	2	4	4	4	2	2	1	6	6	6	10	19	3	5.5
4	3	7	6	0	1	1	2	3	4	2	4	17	3	8	8	8	10	****	9	7	7	10	22	6	6.4
5	3	4	2	5	8	12	17	14	23	****	11	21	3	2	6	****	10	17	15	16	11	38	34	47	14.5
6	61	43	20	12	12	15	0	0	16	22	16	4	2	1	****	0	0	0	2	0	1	0	0	0	9.9
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	7	34	15	4	2.6
8	5	17	10	2	0	6	7	8	11	0	0	2	0	1	****	3	6	7	8	8	4	4	1	0	4.8
9	0	0	1	3	6	7	13	13	38	41	46	42	18	****	14	22	18	18	39	7	6	15	7	11	16.7
10	9	4	4	6	16	28	26	27	15	10	****	****	****	****	****	9	11	7	8	7	9	11	14	11	12.2
11	26	5	5	10	6	8	5	7	10	8	7	6	****	4	5	4	4	3	4	7	7	7	19	11	7.7
12	4	6	12	9	6	15	27	16	8	7	16	3	2	4	7	4	5	7	10	****	47	31	73	84	17.5
13	65	50	28	46	22	32	43	45	29	15	6	2	4	5	12	9	11	10	****	23	8	16	28	18	22.9
14	31	32	20	37	16	53	40	34	36	25	19	9	8	11	12	15	10	13	16	9	7	26	16	14	21.2
15	14	17	16	35	35	55	53	45	35	38	28	20	19	18	13	****	7	4	7	5	3	5	6	5	21.0
16	6	5	5	6	5	5	9	7	7	4	4	2	4	4	5	****	4	3	2	4	12	10	18	21	6.6
17	17	10	6	31	17	25	75	59	48	67	33	34	24	16	20	12	8	****	11	14	7	6	12	7	24.3
18	6	4	6	4	3	12	9	6	5	1	3	3	2	2	2	****	2	1	1	0	3	77	61	55	11.7
19	17	14	10	18	34	51	33	20	7	2	2	1	0	2	****	6	6	13	16	22	34	12	23	24	16.0
20	35	17	40	33	39	44	52	34	33	33	33	22	21	24	****	21	21	21	24	37	31	35	10	20	29.6
21	14	13	10	8	13	9	13	18	10	10	5	5	5	****	4	4	3	3	4	9	8	13	11	8	8.7
22	12	9	12	29	26	48	25	33	36	27	23	13	17	****	11	12	12	10	5	7	17	7	12	8	17.9
23	14	15	8	11	17	35	28	33	38	27	22	14	****	14	5	4	4	6	7	6	6	5	5	5	14.3
24	4	2	3	2	2	4	6	4	5	5	6	6	4	4	4	3	5	4	****	8	9	17	6	3	5.0
25	3	2	2	3	6	4	6	8	6	6	10	2	2	2	4	7	6	15	7	9	20	20	20	24	8.1
26	10	9	7	3	****	20	17	19	28	15	16	23	14	17	10	27	28	22	****	3	7	13	14	6	14.9
27	11	4	3	1	8	4	2	5	4	5	3	2	2	4	3	2	****	1	1	1	1	1	3	4	3.3
28	3	4	2	1	1	3	4	8	5	2	2	2	0	1	2	1	0	****	0	3	4	6	5	10	3.0
29	4	9	3	3	5	7	6	2	2	1	0	1	1	1	0	0	****	1	4	14	8	17	39	49	7.7
30	68	49	19	29	10	17	23	39	20	11	3	3	4	3	2	****	15	18	25	19	10	15	12	15	18.7
31	22	21	13	21	15	19	16	35	24	31	15	13	8	13	12	21	24	28	22	25	33	24	15	9	20.0
MEAN	15.5	12.5	9.5	12.5	12.0	18.5	19.5	18.2	16.9	14.8	11.9	9.4	6.3	6.4	7.0	8.1	8.3	8.6	9.3	9.9	11.1	16.3	17.6	16.2	12.5

PERCENTAGE OF DATA VALID 95.7

TOTAL MONTHLY SUM= 8916.00 TOTAL MONTHLY RECORD HOURS = 712.00

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOOR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	9	14	13	11	12	12	6	2	5	5	4	2	3	3	4	3	5	4	4	6	6	6	6	7
2	6	4	3	3	4	4	5	5	6	6	7	1	1	1	1	1	1	1	1	1	1	2	9	5	3
3	5	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	4	5	6	7	7	3
4	9	10	10	8	8	17	26	22	17	5	3	3	4	4	4	3	3	3	3	3	4	3	3	3	7
5	2	5	3	3	3	4	4	7	6	4	5	4	5	4	5	2	2	2	3	4	3	3	3	4	4
6	4	3	3	3	4	5	6	7	7	6	5	5	4	3	4	3	3	2	2	2	3	3	4	2	4
7	2	3	2	2	3	6	5	6	5	5	3	2	2	3	3	3	3	3	4	4	4	4	4	3	4
8	2	2	2	2	3	4	4	4	4	5	4	3	3	2	3	4	3	3	2	3	3	3	3	4	3
9	3	3	4	3	3	4	3	4	3	3	2	2	2	2	2	2	2	2	2	3	4	5	4	4	3
10	3	2	3	3	3	2	2	2	2	2	1	1	1	1	2	2	2	2	2	3	4	5	3	2	2
11	1	1	1	1	2	2	3	4	5	4	3	3	3	3	3	3	3	3	2	3	2	3	3	3	3
12	3	2	2	2	6	4	8	6	4	3	2	3	6	6	3	3	4	2	2	2	3	5	5	5	4
13	4	3	4	4	5	8	8	8	9	6	4	2	2	2	2	2	4	5	4	3	7	7	4	6	5
14	6	4	5	3	2	3	5	4	3	3	3	2	3	3	4	3	3	2	2	2	2	3	3	3	3
15	2	2	2	2	3	5	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3
16	4	3	1	1	1	2	3	2	2	2	2	3	3	2	2	4	5	2	3	3	3	3	4	4	3
17	4	2	2	2	2	3	2	3	5	4	3	3	4	4	5	3	3	3	4	5	5	5	5	5	4
18	5	6	4	3	3	4	6	5	4	3	4	3	3	3	4	6	4	4	5	4	4	5	5	6	4
19	5	4	3	4	6	6	8	10	5	4	4	2	3	3	2	2	2	2	3	8	5	4	5	5	4
20	3	3	4	4	4	5	6	4	5	3	4	2	3	3	3	3	3	3	5	7	5	5	6	5	4
21	4	4	5	4	4	5	7	8	4	3	2	2	3	3	3	3	3	3	2	2	3	5	5	5	4
22	4	3	3	3	4	5	6	3	2	3	3	****	****	****	2	2	2	2	3	2	3	5	5	5	4
23	2	2	2	2	2	3	3	3	3	3	4	5	5	4	3	2	2	2	2	3	5	5	7	7	3
24	5	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	2
25	0	0	0	1	1	0	0	0	1	0	0	0	****	****	3	3	3	3	2	3	4	8	12	9	2
26	8	9	15	16	15	22	22	17	****	****	****	2	2	2	5	3	4	3	3	3	2	3	3	3	8
27	3	3	3	2	2	3	3	4	3	3	4	3	3	3	3	3	3	3	3	4	4	5	5	5	3
28	5	6	5	4	4	6	11	8	6	5	3	3	3	3	3	3	4	3	4	4	4	6	5	4	5
29	3	2	2	2	4	5	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	2	2	2	1	1	2	2	2	3	4	3	4	4	3	2	2	3	3	3	4	5	5	6	5	3
MEAN	4	4	4	3	4	5	6	6	4	4	3	3	3	3	3	3	3	3	3	3	4	4	5	4	3.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CH TRACKS, SARVIA

MONTH - JUN 84

HOJR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
7	1	1	1	1	1	2	4	7	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	1
10	0	0	0	1	2	3	3	3	3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
11	1	2	3	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	2	2	3	2	2	0	1
12	0	0	0	0	0	1	1	1	0	****	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	2	2	2	2	3	5	5	7	8	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
18	1	1	1	1	1	1	2	1	1	1	****	1	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	0	0	0	0	1	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
25	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
26	0	0	0	0	0	1	1	1	1	0	0	0	0	****	****	0	0	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****
28	0	0	0	0	0	0	1	1	0	0	0	0	0	0	****	****	1	1	1	1	1	1	1	1	0
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1975 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

SEP 05, 1984

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	8	0	****	0	0	0	0	0	1	0	0	0	2	2	2	1
2	2	0	3	1	2	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0
4	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	0
5	****	****	0	0	0	1	-	****	0	-	-	****	0	0	0	0	0	0	0	0	0	-	0	0	0
6	0	1	1	1	4	4	2	1	1	1	1	1	1	1	1	-	****	1	1	1	1	1	0	0	1
7	0	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
8	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	1
11	0	0	0	0	0	-	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1	5	7	1
12	4	2	2	5	6	5	1	1	0	0	0	0	0	0	-	1	-	1	1	1	1	0	0	0	1
13	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	0	1	1	1	1
14	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	1	2	2	2	1	0
16	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	****	****	****	1	1	1	3	2	2	2	****	****	1	1	1	1	1	2	2	1
18	****	****	****	****	****	****	****	****	2	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1
19	2	2	2	3	3	3	3	3	2	2	2	****	1	1	1	1	1	1	1	1	1	1	1	2	2
20	3	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
21	2	2	2	-	2	3	2	1	1	1	1	1	0	****	0	0	1	1	1	1	1	1	1	3	1
22	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	2	2	2	3	3	3	3	4	4	4	5	5	5	5	2
24	5	6	7	7	9	9	9	9	****	8	8	7	6	5	****	3	2	1	0	0	0	0	0	0	5
25	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	
26	1	2	4	9	6	6	9	2	1	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	1	1	1	2	2	3	3	4	4	5	5	6	6	7	8	8	8	7	6	5	5	4	4	4	5
28	5	5	5	5	5	5	6	6	5	5	5	5	4	4	3	2	1	1	1	1	1	3	7	4	4
29	1	1	1	1	1	1	1	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****
30	- DATA INVALID -																								
MEAN	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 90.0

PERCENTAGE OF DATA INVALID - 8.8

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

SEP 05, 1984

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	****	****	****	****	****	****	****	****	****	****	****	3	5	6	7	9	10	10	10	9	7	5	7	5	*****
6	6	5	5	5	5	6	7	7	6	4	4	3	3	3	****	****	****	****	****	****	****	****	****	****	****
7	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	9	2
8	11	6	6	6	6	8	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
9	1	0	0	0	0	0	0	0	0	0	0	-	0	****	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
12	0	0	0	0	0	0	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	1	4	8	1
13	10	9	8	8	8	9	10	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	3	4	5	5	5	6	6	4	2
16	3	2	2	1	1	1	2	1	1	-	1	1	1	1	1	1	1	0	0	0	1	3	3	8	2
17	10	6	3	4	4	7	6	4	1	0	0	0	0	1	1	1	1	1	1	1	****	****	1	1	2
18	2	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	-	0	1	2	1	1
19	0	0	0	1	1	1	2	1	0	0	****	****	0	0	0	0	0	0	0	0	1	1	0	0	0
20	0	0	0	0	0	0	0	1	0	0	****	0	****	0	0	0	0	0	0	0	0	0	****	0	0
21	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	3	5	3	4	3	2	2	-	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	1	1	****	7	1	1	1	1	1	1	-	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0
26	11	9	10	11	10	10	7	9	6	5	1	0	****	0	0	0	0	0	1	0	0	0	0	0	4
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	-	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
29	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0
30	1	4	4	4	5	6	7	8	3	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	2
31	7	9	6	8	6	12	15	11	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
MEAN	3	2	2	2	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.5	

PERCENTAGE OF DATA VALID - 80.5

PERCENTAGE OF DATA INVALID - 18.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM)

UNITS PPB

STATION HURON VIEW NURSERY

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8	25	20	15	15	10	10	10	5	5	5	0	0	0	0	-	-	-	-	-	-	-	15	10	5	
9	5	5	5	5	5	5	10	15	15	10	10	5	10	-	5	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	5	5	5	0	0	0	0	0	5	5	5	5	5	0	0	0	0	
11	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	
12	0	0	5	0	5	5	10	10	5	10	-	-	5	5	5	5	5	3	3	3	5	5	3	10	
13	8	10	5	5	8	10	10	15	15	5	5	3	3	3	5	8	5	5	3	5	5	5	5	5	
14	10	10	10	10	10	15	15	18	25	10	8	5	5	5	8	10	10	20	5	5	5	5	5	5	
15	3	3	5	5	10	10	10	10	10	15	15	5	15	10	8	5	5	3	5	5	3	3	3	5	
16	5	3	3	3	3	3	3	0	0	0	0	0	0	0	0	3	3	0	3	5	5	3	5	10	
17	10	5	0	3	8	10	10	13	15	20	20	10	8	5	10	8	5	8	10	8	5	5	0	3	
18	3	3	3	5	3	5	3	0	0	-	0	0	0	0	0	0	0	0	0	0	3	5	5	5	
19	5	8	10	10	10	10	10	8	3	3	3	0	0	3	3	3	-	-	-	-	5	8	5	3	
20	3	3	3	3	8	10	13	13	15	15	15	13	8	8	8	-	-	-	-	-	20	15	3	5	
21	8	10	5	8	10	8	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	
22	0	0	5	5	5	5	3	3	8	5	5	3	5	5	5	5	5	5	5	8	5	5	5	5	
23	3	0	0	0	3	5	8	13	13	10	10	8	8	8	8	8	8	8	5	5	5	5	3	3	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	3	0	0	0	0	0	0	10	0	0	0	0	0	0	3	3	8	8	
26	5	3	5	3	0	3	5	5	3	3	3	3	5	3	3	5	3	3	3	3	0	0	0	3	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	
29	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	5	8	5	
30	5	5	3	5	5	5	3	8	13	5	3	3	3	3	5	5	5	5	3	8	8	8	5	5	
31	3	3	3	0	0	3	3	5	5	8	8	5	8	8	8	8	5	5	8	8	8	10	5	5	

MEAN

PERCENT

TOTAL

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM) UNITS PPB

STATION GRACE CHURCH

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12										15	****	23	27	30	34	38	****	42	26	20	22	22	22	26	26.7
13	25	25	24	24	26	29	31	17	10	6	7	6	9	6	7	****	9	7	15	19	19	37	32	21	17.9
14	12	9	7	6	4	7	9	7	4	4	5	4	2	3	3	3	****	2	2	2	2	6	11	1	5.0
15	1	1	1	2	3	2	2	2	2	2	2	3	2	2	2	****	2	3	2	3	3	6	20	25	4.0
16	29	33	25	19	16	13	13	10	7	6	6	11	10	5	****	7	13	24	51	22	15	16	17	20	16.9
17	12	12	8	8	8	8	8	10	13	13	16	17	15	****	22	21	24	24	25	26	24	6	31	26	16.4
18	26	33	37	24	19	22	31	25	17	18	26	19	****	12	16	24	15	9	8	6	7	14	20	15	19.1
19	12	11	7	7	9	19	16	12	10	6	7	7	8	9	6	2	2	3	6	5	****	4	2	3	7.5
20	2	2	2	2	2	2	3	3	7	3	4	3	****	9	7	5	4	2	4	3	3	****	14	19	4.8
21	9	5	4	7	7	6	5	5	6	6	5	7	7	7	7	11	10	9	9	****	9	9	8	7	7.2
22	18	18	11	12	11	13	13	16	12	17	15	12	10	11	10	11	12	11	****	16	19	19	19	14	13.9
23	9	7	8	8	8	11	12	13	12	14	17	15	19	19	23	24	****	22	25	20	18	13	13	15	15.0
24	28	26	20	19	25	22	22	22	24	26	20	19	10	11	7	9	12	****	13	17	21	11	13	15	17.9
25	16	13	9	11	13	9	12	9	10	11	9	11	6	7	5	2	****	6	7	10	6	4	3	4	8.4
26	11	14	17	17	18	17	27	28	19	20	20	18	19	22	20	****	26	30	25	24	24	21	21	21	20.8
27	19	21	24	26	30	27	28	32	29	****	10	25	21	20	21	18	17	18	18	19	19	18	10	8	20.8
28	16	14	13	11	10	11	15	13	11	19	16	11	16	17	****	10	4	4	3	4	6	4	2	2	10.1
29	2	2	3	5	2	3	2	4	6	4	2	3	4	6	****	3	1	2	2	3	2	3	2	2	3.0
30	2	3	2	2	2	2	3	2	4	3	4	7	8	****	7	6	6	13	6	8	7	4	4	4	4.7
MEAN	11.9	11.9	10.4	10.0	10.1	10.6	12.0	11.0	9.7	9.2	9.1	10.0	9.7	9.4	9.9	10.2	8.7	11.6	11.8	11.4	10.8	10.3	12.0	11.3	10.5

PERCENTAGE OF DATA VALID 69.2

TOTAL MONTHLY SUM= 5253.00 TOTAL MONTHLY RECORD HOURS = 498.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM) UNITS PPB

STATION GRACE CHURCH

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	3	12	9	7	8	10	8	7	3	9	10	6	3	4	5	6	10	21	24	7.3
2	16	20	18	16	19	17	24	32	29	23	20	20	14	13	9	11	15	11	14	23	31	20	25	26	19.4
3	23	23	26	20	14	31	13	28	17	26	23	24	17	23	20	25	31	20	22	23	42	37	28	15	23.8
4	20	14	14	19	19	12	16	11	5	12	12	9	9	8	8	22	10	8	9	16	20	21	25	33	14.7
5	22	15	11	18	17	20	19	14	9	13	13	12	6	11	11	9	33	36	32	40	31	30	34	27	20.1
6	23	14	19	29	30	22	7	14	20	13	****	9	5	6	5	5	4	4	3	3	3	4	3	3	10.8
7	4	3	3	2	2	3	2	2	3	2	2	3	3	4	2	3	3	2	3	6	24	31	30	27	7.0
8	28	25	24	19	14	15	12	8	4	2	2	2	2	2	3	4	5	8	13	12	22	16	10	7	10.8
9	7	6	6	8	7	12	15	17	26	25	40	30	12	12	11	11	18	31	53	14	13	18	14	0	16.9
10	23	10	10	8	14	22	25	27	37	15	7	7	****	****	****	0	6	7	7	6	10	13	11	8	13.0
11	16	5	5	6	6	8	10	11	13	10	6	9	5	4	4	4	4	5	8	13	10	9	13	8	8.0
12	6	6	6	8	8	8	15	16	15	13	14	8	6	4	6	4	6	6	7	9	21	39	40	41	13.0
13	42	40	39	30	27	25	25	31	25	13	11	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	DATA MISSING																								
15	DATA MISSING																								
16	****	****	****	****	****	****	****	****	****	****	14	6	12	14	14	9	10	9	8	9	29	14	19	34	14.4
17	34	26	25	27	24	27	43	50	42	49	45	33	35	0	21	18	26	22	35	43	29	20	12	17	29.3
18	14	10	14	14	14	12	11	7	5	4	3	4	3	3	2	4	2	2	2	0	17	17	16	25	8.5
19	24	23	21	20	26	24	19	17	8	7	5	5	6	5	5	12	17	21	29	26	40	58	36	22	19.8
20	23	28	22	29	43	48	50	32	31	29	36	34	22	16	14	20	27	21	17	33	49	44	9	23	29.2
21	27	30	26	21	14	13	14	11	6	6	5	4	3	4	3	3	3	3	2	3	8	13	13	11	10.3
22	14	11	13	12	11	14	19	30	46	51	34	15	18	15	16	14	16	9	9	13	11	11	15	10	17.8
23	10	11	15	23	43	37	43	27	25	19	18	12	13	13	7	7	9	10	9	10	11	14	9	6	16.7
24	2	3	3	2	3	4	5	5	4	4	4	3	2	2	1	2	2	1	2	2	2	2	2	2	2.7
25	1	2	2	2	4	4	6	5	3	4	3	2	****	****	1	2	2	1	2	2	14	18	24	14	5.4
26	9	7	8	7	8	14	18	23	22	14	13	14	21	6	12	16	9	11	15	17	11	11	11	13	12.9
27	19	15	8	6	7	6	5	4	3	2	2	2	2	3	2	3	2	2	2	2	1	1	1	1	4.2
28	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	1.8
29	11	14	6	1	1	1	2	2	2	2	2	1	2	1	1	1	2	2	2	4	25	32	29	27	7.2
30	23	29	30	27	22	19	24	28	22	12	9	6	5	4	4	6	7	11	14	31	22	19	25	16	17.3
31	18	21	19	20	30	33	42	43	66	74	25	14	12	18	19	24	26	38	30	31	47	58	46	40	33.1
MEAN	16.5	14.8	14.1	14.2	15.4	16.3	17.8	18.1	17.8	16.2	13.6	10.6	9.4	7.5	7.9	9.0	10.8	10.9	12.7	14.2	19.7	20.8	18.7	17.3	14.4

PERCENTAGE OF DATA VALID 89.7

TOTAL MONTHLY SUM= 9593.00 TOTAL MONTHLY RECORD HOURS = 667.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM)

UNITS PPB

STATION RIVER BEND

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	7	9	10	10	26	28	27	26	17	22	46	****	35	23	19	15	15	16	34	32	37	25	54	23.5
2	38	32	37	36	31	30	23	13	10	10	7	7	****	5	6	7	6	8	9	13	16	10	12	15	16.6
3	22	20	8	7	5	7	6	9	6	7	6	6	6	7	7	12	8	7	9	28	29	****	16	17	11.1
4	22	20	19	14	14	14	19	14	10	8	9	20	21	18	15	37	34	23	20	16	13	12	11	11	17.3
5	11	9	9	9	11	12	12	17	21	16	11	10	16	25	13	18	14	10	10	12	16	18	17	14	13.8
6	16	19	15	21	23	30	24	22	17	16	18	19	13	14	48	16	23	22	12	****	8	9	16	21	19.2
7	13	12	11	18	15	18	21	25	24	26	23	21	18	16	12	14	13	****	27	15	12	15	18	16	17.5
8	14	14	21	19	11	12	17	15	17	14	12	13	13	18	15	16	17	13	14	20	14	18	16	15	15.3
9	13	12	11	11	10	11	10	10	10	9	7	9	10	17	23	19	15	29	50	41	14	31	19	23	17.3
10	19	20	17	19	15	18	17	17	15	16	13	11	10	10	12	13	8	7	9	10	18	30	14	10	14.5
11	6	5	4	4	4	7	10	10	3	6	25	21	27	32	21	****	14	11	38	47	52	35	7	7	17.2
12	6	6	6	8	7	7	8	10	17	10	31	28	13	15	16	11	24	28	14	10	9	10	12	14	13.3
13	17	22	22	19	22	21	20	18	15	13	27	45	17	25	13	8	0	13	10	19	17	21	22	24	18.7
14	24	23	29	20	14	7	11	5	8	12	23	17	14	14	****	12	14	20	26	15	15	16	26	20	16.7
15	10	14	18	7	10	10	8	25	6	4	6	9	27	****	24	18	12	8	7	7	17	20	17	8	12.7
16	5	9	6	11	6	5	7	8	7	5	4	5	****	43	33	16	8	11	12	9	9	8	8	7	10.5
17	7	13	6	8	9	13	10	11	19	14	14	13	12	12	11	11	13	14	14	****	12	13	28	21	13.0
18	16	27	16	11	11	15	21	19	25	16	14	12	13	10	15	9	7	11	6	****	27	24	34	28	16.8
19	22	18	15	14	13	13	16	12	10	21	16	15	9	12	9	6	10	8	****	14	32	37	40	35	17.3
20	34	29	30	24	8	9	11	19	8	9	12	39	14	33	31	26	11	28	36	****	36	18	9	12	21.1
21	18	16	11	12	15	25	42	39	12	9	10	8	22	18	18	20	11	16	12	5	19	16	15	20	17.0
22	13	10	9	11	16	19	22	13	****	****	11	8	6	6	4	5	****	6	5	6	5	5	7	8	9.3
23	7	9	7	6	6	9	9	13	11	10	11	10	11	11	15	11	10	9	9	11	10	18	7	12	10.1
24	14	9	9	8	9	7	9	6	6	10	8	6	6	5	4	****	4	8	4	7	7	6	7	12	7.4
25	7	8	10	8	8	9	9	5	7	8	5	4	2	4	****	14	12	19	11	10	11	10	9	12	8.8
26	14	9	7	8	16	13	13	16	11	7	8	12	18	13	16	36	45	35	25	22	8	8	8	8	15.7
27	9	19	15	15	13	18	23	21	21	17	15	7	5	5	5	6	6	6	8	5	6	12	10	8	11.5
28	9	9	12	9	10	11	14	10	7	6	****	****	****	****	5	15	8	10	15	13	16	18	14	7	10.9
29	9	6	8	10	9	11	12	8	10	10	13	18	****	15	12	13	8	10	13	10	13	12	7	7	10.6
30	6	5	5	5	7	12	8	4	10	13	13	15	17	17	17	23	16	15	19	****	29	28	28	23	14.6
MEAN	14.3	14.4	13.4	12.7	11.9	14.0	15.3	14.7	12.7	11.7	13.6	15.7	13.6	16.3	15.8	15.4	13.3	14.5	15.9	16.0	17.4	17.8	16.0	16.3	14.7

PERCENTAGE OF DATA VALID 96.7

TOTAL MONTHLY SUM= 10217.00 TOTAL MONTHLY RECORD HOURS = 696.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM) UNITS PPB

STATION RIVER BEND MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	27	28	27	23	14	20	21	29	34	24	29	19	16	18	17	19	21	22	31	****	19	22	20	23.0
2	17	14	11	13	10	8	10	20	18	18	11	11	9	7	10	14	13	13	13	9	9	11	13	9	12.1
3	8	11	13	13	20	28	24	16	12	9	11	18	18	16	12	14	13	11	****	14	16	17	22	18	15.4
4	13	13	11	10	9	10	13	10	8	8	9	10	11	12	11	19	18	13	****	12	9	10	18	14	11.8
5	13	9	7	10	17	15	16	15	16	23	27	19	23	26	20	****	19	16	18	28	30	20	21	26	18.9
6	20	13	16	21	18	17	11	11	11	15	13	13	11	9	8	****	12	6	6	5	3	7	5	7	11.2
7	6	7	4	3	5	4	4	3	1	0	9	3	4	7	3	****	7	7	14	12	15	15	9	11	6.7
8	14	12	15	17	13	12	10	7	4	3	3	5	6	4	5	****	20	30	20	13	9	8	7	6	10.6
9	6	5	6	5	6	9	10	18	****	****	9	23	10	32	****	20	11	17	12	10	15	15	10	****	12.4
10	DATA MISSING																								
11	DATA MISSING																								
12	DATA MISSING																								
13	DATA MISSING																								
14	****	****	****	****	****	****	****	****	****	****	****	****	21	26	27	21	7	15	15	18	14	18	14	10	17.2
15	12	9	14	14	12	14	16	17	17	22	19	17	19	16	13	18	****	10	7	8	7	6	6	6	13.0
16	4	5	7	6	5	5	4	2	2	1	2	1	3	0	1	0	****	0	0	2	7	8	11	7	3.6
17	1	3	10	11	11	13	16	13	20	17	16	9	6	6	9	9	6	5	****	7	9	9	3	3	9.2
18	0	0	0	1	0	1	4	1	2	****	2	2	****	****	14	14	****	10	11	13	13	10	11	13	6.1
19	13	11	9	13	19	19	19	10	4	3	6	4	****	4	8	****	17	17	7	9	11	10	8	8	10.4
20	4	2	3	5	8	15	22	24	22	23	21	13	9	7	8	****	8	14	20	25	30	32	27	22	15.8
21	15	11	11	11	13	14	10	10	15	20	30	17	35	40	38	36	30	29	6	3	6	5	23	13	18.4
22	14	17	12	13	13	14	10	18	14	15	7	11	13	11	****	21	30	14	6	4	4	5	7	15	12.5
23	8	4	5	9	4	6	17	25	22	16	15	10	10	12	12	11	11	7	12	7	8	5	5	7	10.3
24	16	16	14	0	0	6	1	0	2	1	6	****	15	20	21	18	16	8	8	3	4	4	5	2	8.1
25	6	6	3	0	0	5	6	4	13	11	1	1	4	2	****	5	3	11	10	10	5	4	2	6	5.1
26	1	3	4	5	11	****	14	5	3	4	11	10	8	8	8	6	9	5	5	****	2	1	2	3	5.8
27	5	6	4	1	2	4	5	3	7	9	5	7	4	4	9	10	11	****	11	14	12	12	10	6	7.0
28	1	2	3	2	2	6	0	2	15	16	11	9	5	1	7	2	4	9	****	9	7	7	15	8	6.2
29	7	3	2	2	6	7	6	4	1	7	10	14	13	15	17	25	11	6	5	2	6	9	11	15	8.5
30	13	16	16	15	12	11	10	10	12	11	4	3	10	11	15	16	****	16	16	6	3	2	1	4	10.1
31	5	6	4	3	3	2	2	8	****	12	11	13	10	7	10	22	23	10	12	11	10	9	7	19	9.5
MEAN	9.7	8.9	8.9	8.8	9.3	10.4	10.8	10.7	11.3	12.4	11.3	10.9	11.8	12.3	12.7	15.1	13.8	12.3	11.1	11.0	10.2	10.3	10.9	10.7	11.0

PERCENTAGE OF DATA VALID 81.5

TOTAL MONTHLY SUM= 6666.00 TOTAL MONTHLY RECORD HOURS = 606.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM)

UNITS PPB

STATION FRONT STREET

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	12	11	11	8	32	32	42	38	33	20	14	15	10	8	15	17	14	17	13	17	18	24	16	18.9
2	17	15	13	15	22	33	16	12	9	17	0	3	11	9	11	8	17	12	21	13	****	12	35	26	15.1
3	17	32	8	20	16	18	12	3	2	3	3	4	4	6	5	34	24	2	11	****	38	41	39	30	16.2
4	21	31	26	27	26	12	26	21	10	12	8	9	35	21	14	17	35	32	39	****	47	37	25	30	24.4
5	25	15	7	15	20	21	24	30	42	22	27	20	23	32	17	21	24	17	21	19	21	22	27	42	23.1
6	43	45	50	42	28	32	32	32	24	17	16	27	****	20	16	35	41	28	****	14	19	19	20	28	28.5
7	31	39	41	46	39	50	56	65	62	54	49	43	48	51	49	40	****	41	56	51	53	55	64	33	48.5
8	34	42	29	35	46	44	46	54	53	56	49	36	46	67	59	61	46	61	46	51	61	53	55	52	49.3
9	40	36	29	22	26	25	19	15	11	14	10	15	24	27	34	33	****	15	13	12	1	12	14	12	20.0
10	15	28	30	33	41	53	41	55	54	56	43	41	33	35	57	****	15	13	13	14	34	31	19	10	33.2
11	8	6	4	7	7	8	4	4	4	6	6	8	0	3	****	6	8	5	6	9	12	17	29	25	8.3
12	24	26	26	21	25	24	29	21	32	30	32	55	39	35	****	37	69	46	25	21	34	33	44	59	34.2
13	33	48	41	52	37	41	42	28	14	19	12	13	17	****	14	0	15	****	****	35	21	40	36	22	27.6
14	17	9	9	7	10	12	11	13	11	10	15	12	8	****	9	9	7	7	7	6	8	17	11	8	10.1
15	11	6	6	7	5	10	17	9	7	****	3	7	****	5	5	5	7	10	11	17	17	17	31	31	11.1
16	23	38	31	47	17	16	15	9	21	30	13	11	6	32	40	36	20	35	46	23	14	****	22	21	24.6
17	17	23	18	11	17	12	13	10	28	17	20	41	21	20	20	24	25	26	****	24	23	20	58	50	23.4
18	40	49	43	19	31	33	44	42	39	34	28	15	15	14	13	13	14	18	****	18	36	23	22	30	27.5
19	29	36	23	17	16	27	23	14	16	12	9	46	****	5	10	18	11	****	13	12	11	10	13	13	17.5
20	11	7	9	7	11	3	16	32	12	12	14	11	11	9	8	10	9	8	****	7	9	13	16	13	11.2
21	17	14	13	16	16	13	12	12	9	8	10	9	12	12	10	12	****	13	15	20	20	19	20	20	14.0
22	28	24	20	20	24	27	16	31	31	22	32	5	8	8	17	****	15	17	69	24	29	23	21	19	23.0
23	22	18	8	0	0	5	19	16	17	17	19	20	38	19	****	16	17	21	17	18	22	27	25	23	17.6
24	DATA MISSING																								
25	****	****	****	****	****	****	****	****	****	****	8	4	1	****	9	11	6	5	7	9	16	17	12	19	9.5
26	23	21	17	21	5	23	36	33	19	9	9	8	13	****	20	29	56	55	24	13	18	18	13	6	21.3
27	17	22	39	50	45	48	55	21	11	44	36	12	6	6	5	8	5	10	6	8	13	18	11	14	21.3
28	23	17	14	15	15	24	21	****	****	****	0	1	****	13	3	3	4	8	10	23	23	16	23	8	13.2
29	6	8	6	7	6	5	6	6	6	3	2	8	6	5	5	4	3	5	5	4	5	****	4	0	5.0
30	5	16	3	3	1	4	5	3	2	3	2	3	2	2	2	3	5	5	****	5	7	7	8	2	4.3
MEAN	21.9	24.4	20.5	21.2	20.0	23.4	24.6	23.4	21.6	21.5	17.1	17.3	17.7	18.6	17.7	18.8	19.8	19.6	21.7	17.9	22.5	23.5	25.6	22.8	21.0

PERCENTAGE OF DATA VALID 90.7

TOTAL MONTHLY SUM= 13708.00 TOTAL MONTHLY RECORD HOURS = 653.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NITROGEN DIOXIDE (CHEM) UNITS PPB

STATION FRONT STREET MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	10	2	10	19	9	10	9	5	6	6	7	6	5	11	10	12	6	5	****	10	13	18	22	9.5
2	18	22	19	20	21	18	39	35	30	25	19	16	10	9	12	32	14	20	17	12	22	35	43	32	22.5
3	28	17	29	16	17	28	21	15	13	10	11	15	18	20	21	12	12	8	22	23	28	41	29	17	19.6
4	18	20	17	9	14	11	10	10	16	9	11	27	10	19	21	32	30	****	26	28	21	24	47	22	19.7
5	18	17	13	16	20	22	18	22	33	****	21	19	12	13	19	****	29	36	41	39	42	50	50	47	27.1
6	49	43	35	32	31	23	0	8	12	43	30	12	5	4	****	5	5	17	10	6	8	6	5	4	17.1
7	8	5	4	6	5	8	6	4	4	6	7	6	5	4	****	5	4	1	6	10	20	33	24	21	8.8
8	23	20	14	13	10	9	9	13	12	4	0	4	5	5	****	6	12	12	29	26	21	18	10	7	12.3
9	10	7	11	11	10	11	22	24	43	47	33	50	33	****	28	47	39	36	60	19	20	36	17	19	27.5
10	26	10	9	16	34	41	9	31	26	11	****	****	****	****	****	10	11	8	14	14	20	23	16	15	18.1
11	35	7	8	19	12	14	11	12	16	13	11	10	****	8	9	8	7	7	11	27	22	16	26	17	14.2
12	9	11	11	9	9	11	18	16	14	17	21	10	14	6	14	5	10	16	22	****	58	44	47	37	18.7
13	38	30	22	17	24	24	28	22	19	16	3	6	3	6	19	18	21	19	****	0	19	31	55	41	20.9
14	43	51	48	46	42	48	52	48	54	40	28	15	14	22	23	27	21	27	31	25	28	31	32	39	34.8
15	33	43	40	56	45	45	54	48	63	63	53	42	46	42	29	****	19	11	9	12	9	14	12	13	34.8
16	13	8	12	17	11	10	11	7	8	6	6	5	9	6	6	****	8	10	7	18	27	24	15	19	11.4
17	20	15	12	34	24	32	44	51	49	58	38	47	40	30	42	27	20	****	26	27	21	18	27	15	31.2
18	13	14	16	11	11	13	20	10	9	6	5	3	12	4	3	****	6	2	3	3	13	22	25	18	10.5
19	22	17	16	18	28	25	20	12	7	7	4	3	3	6	****	11	16	35	43	53	56	41	52	52	23.8
20	56	35	53	48	46	45	44	35	40	33	47	47	43	53	****	49	49	47	53	65	55	44	25	38	45.7
21	31	28	24	18	22	17	18	17	1	0	0	10	9	****	10	8	8	8	9	10	15	21	20	15	13.9
22	19	14	15	20	17	22	44	38	30	32	33	23	30	****	24	24	19	20	11	17	15	15	26	18	22.9
23	39	35	19	23	44	59	38	40	47	44	44	37	****	30	16	7	7	9	10	10	9	8	8	10	25.8
24	3	4	6	4	5	7	10	7	7	5	8	7	8	5	4	4	7	10	****	12	14	16	8	7	7.3
25	5	4	4	6	9	8	9	7	7	7	6	5	5	5	4	7	9	0	6	18	17	23	29	12	8.8
26	15	17	17	5	****	31	25	25	11	18	22	34	25	17	12	36	34	27	****	9	6	13	19	21	20.0
27	29	12	9	7	18	14	8	6	8	7	4	4	5	7	4	4	****	3	4	4	5	5	6	3	7.7
28	5	4	2	4	3	7	6	10	7	8	3	17	4	3	5	3	3	****	5	8	11	15	18	19	7.4
29	14	18	12	9	6	14	7	5	4	2	2	3	4	7	6	3	****	6	7	11	16	26	32	33	10.7
30	30	28	22	27	19	33	24	31	20	9	7	6	10	10	8	****	28	14	36	37	23	17	22	28	21.3
31	42	48	27	47	33	39	27	38	36	32	29	23	20	25	30	48	46	49	57	63	73	61	41	25	40.0
MEAN	23.2	19.8	17.7	19.2	20.3	22.5	21.4	21.2	21.0	19.5	17.1	17.1	14.6	13.7	15.2	17.2	17.4	16.6	20.7	20.9	23.4	25.3	25.9	22.1	19.8

PERCENTAGE OF DATA VALID 95.7

TOTAL MONTHLY SUM= 14122.00 TOTAL MONTHLY RECORD HOURS = 712.00

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	3	4	4	4	1
2	3	3	4	4	3	3	5	5	6	5	3	2	2	1	3	3	1	1	1	1	2	1	4	5	3
3	4	3	3	5	4	4	6	7	5	5	5	1	1	1	1	1	1	1	1	2	3	4	3	4	3
4	3	2	2	2	2	2	3	2	1	1	2	1	2	1	1	1	1	1	2	1	1	1	1	3	2
5	3	2	2	3	2	2	3	4	5	-	6	5	2	2	2	4	5	3	3	2	4	5	4	2	3
6	3	2	2	1	1	2	2	3	4	4	3	1	1	3	2	1	1	1	1	1	1	1	1	1	2
7	2	2	2	2	1	1	2	1	1	0	0	1	1	1	1	1	0	1	1	1	3	3	3	3	1
8	3	3	3	3	2	2	3	4	3	1	2	1	1	1	0	0	0	0	1	0	1	0	0	1	2
9	1	2	2	1	1	1	2	1	1	1	1	-	2	1	0	1	1	0	0	1	1	0	0	0	1
10	0	0	0	1	1	3	3	2	4	3	2	1	0	0	0	0	1	1	0	1	2	2	1	0	1
11	1	1	0	1	1	1	2	2	2	1	2	2	2	2	2	3	2	1	1	1	2	3	3	3	2
12	2	2	2	1	2	2	2	4	4	4	3	1	1	1	1	2	1	1	1	2	2	4	4	4	2
13	5	5	4	4	4	4	5	7	8	6	4	2	1	1	1	2	1	1	1	2	3	4	2	3	3
14	3	3	3	3	5	5	5	5	4	5	4	2	1	1	1	1	1	1	1	1	1	1	2	2	3
15	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3	3	2
16	4	4	3	2	1	2	3	3	2	-	0	1	1	1	1	1	1	1	1	1	2	3	3	3	2
17	3	4	3	1	3	3	4	4	3	2	3	3	2	2	1	1	2	2	2	4	****	****	4	3	3
18	4	4	3	2	2	3	3	2	2	1	1	2	2	2	2	2	2	2	2	-	2	3	3	3	2
19	3	3	2	3	3	3	3	4	5	3	2	2	2	1	1	1	1	1	1	1	3	3	3	3	2
20	4	4	4	4	4	4	5	4	6	4	****	1	****	1	1	1	1	2	2	3	1	2	****	2	3
21	2	3	1	1	1	1	1	4	3	3	2	1	1	0	1	0	0	1	1	1	2	2	3	3	2
22	3	2	2	2	3	3	3	1	-	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
23	1	2	0	1	3	2	4	4	4	3	2	3	2	2	2	2	1	1	1	2	1	1	1	2	2
24	3	1	0	0	1	1	2	3	2	3	3	2	1	1	1	2	2	1	1	1	2	3	2	2	2
25	1	1	1	0	1	2	2	3	3	4	6	4	3	3	2	1	2	2	2	3	3	1	2	2	2
26	1	3	2	3	3	4	4	4	6	4	4	4	4	3	2	4	4	3	2	2	1	1	1	1	3
27	2	3	2	1	2	3	4	4	4	3	2	2	1	2	2	2	2	3	2	1	2	2	2	2	2
28	2	2	-	2	2	2	2	2	2	1	1	0	1	0	1	0	0	0	0	1	1	1	2	3	1
29	3	3	****	2	2	2	1	1	2	2	2	1	0	0	0	0	0	1	0	0	1	3	3	4	1
30	4	5	4	4	4	5	6	7	5	3	2	1	1	1	0	0	0	1	2	2	3	3	3	3	3
31	2	2	1	1	1	2	4	4	3	3	4	2	1	2	2	2	2	2	1	1	2	1	1	2	2
MEAN	3	3	2	2	2	2	3	3	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	6	7	7	6	7	8	7	****	4	****	2	1	2	3	2	2	3	3	5	4	5	5	5
2	5	3	3	2	2	2	4	3	4	3	2	1	1	1	1	1	1	1	1	1	2	4	5	4	2
3	3	2	0	0	0	1	0	0	1	1	1	1	1	0	1	0	0	1	1	3	4	5	5	4	1
4	4	4	4	4	4	3	6	8	8	3	1	1	3	3	3	2	2	2	1	2	2	2	1	1	3
5	****	****	2	1	2	3	-	****	4	-	-	3	4	3	3	1	1	1	2	2	2	-	2	2	2
6	2	1	1	2	2	3	3	4	4	4	3	3	3	2	3	-	****	1	0	1	1	1	3	1	2
7	1	1	1	2	1	3	3	4	4	3	2	1	1	1	2	1	1	2	2	2	2	3	3	2	2
8	1	0	0	0	1	2	3	2	2	2	2	1	1	0	1	1	1	1	0	0	0	0	1	2	1
9	2	2	2	2	2	2	1	2	1	1	1	0	0	0	0	0	1	0	0	2	2	3	3	2	1
10	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	-	0	0	1	2	3	2	1	1
11	0	0	0	0	0	-	1	2	2	2	1	1	1	1	2	2	2	1	0	1	1	1	1	1	1
12	2	0	0	0	3	3	3	4	3	1	1	0	3	4	-	1	-	1	0	1	1	2	3	3	2
13	3	2	2	2	3	5	4	6	6	5	3	1	1	1	1	1	****	3	3	2	4	4	3	3	3
14	4	3	3	2	1	1	1	3	3	3	2	2	2	2	2	3	2	1	1	1	1	1	2	1	2
15	1	1	1	1	2	3	2	2	1	1	1	1	2	1	2	2	1	1	1	1	1	2	2	3	2
16	3	2	1	1	1	1	1	1	1	1	1	1	2	1	1	2	4	1	1	1	2	2	3	2	2
17	3	2	1	1	1	****	****	****	4	3	1	2	2	2	3	****	****	1	2	3	3	3	3	3	2
18	****	****	****	****	****	****	****	****	2	2	2	2	2	1	2	4	3	2	3	3	2	2	3	3	2
19	3	3	2	2	3	3	3	4	3	2	3	1	1	1	1	1	1	0	2	5	3	2	2	3	2
20	2	2	3	2	2	3	3	2	2	2	2	1	1	1	2	2	1	1	2	5	3	3	4	3	2
21	2	3	3	-	2	3	3	4	3	2	2	1	2	2	2	1	2	2	1	1	1	4	3	3	2
22	3	3	2	2	2	4	4	3	2	2	2	1	0	****	0	1	1	1	1	1	1	1	1	1	2
23	1	1	0	0	0	1	1	1	2	1	2	2	4	3	1	1	1	0	1	2	3	4	4	4	2
24	4	1	0	0	0	0	0	0	****	1	0	1	1	1	****	1	1	1	1	1	2	3	4	2	1
25	2	2	1	1	2	3	3	3	3	2	1	1	1	1	1	2	2	2	1	2	2	4	4	4	2
26	4	3	3	3	3	3	4	7	0	7	8	1	1	1	3	1	2	1	1	1	1	1	2	1	3
27	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1
28	3	4	3	2	3	3	4	4	3	3	1	1	1	1	1	1	2	1	2	2	2	3	2	2	2
29	1	1	1	1	2	2	3	2	2	2	2	2	2	1	2	2	2	2	1	2	1	1	1	1	2
30	1	0	0	0	0	0	0	1	1	1	1	2	2	2	1	0	1	1	1	1	2	2	2	2	1
MEAN	2	2	2	2	2	2	3	3	3	2	2	1	2	1	2	1	2	1	1	2	2	2	3	2	1.9

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	3	5	6	6	5	****	4	****	3	2	2	3	3	1	3	3	3	3	4	4	3
2	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	3
3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	4	3	3	2
4	3	4	2	2	2	2	3	3	2	1	1	1	3	3	2	2	4	4	3	4	5	4	4	4	3
5	****	****	3	3	4	4	-	****	****	-	-	3	3	3	3	4	4	3	3	3	4	-	4	6	4
6	6	6	6	4	4	4	4	3	2	2	2	3	5	3	3	-	****	****	****	****	****	3	3	4	4
7	4	5	5	5	6	6	6	7	6	7	6	5	5	5	4	4	4	4	5	5	6	6	6	4	5
8	4	5	3	5	5	5	5	5	4	4	4	3	5	7	5	6	6	7	4	6	6	5	7	5	5
9	2	2	3	2	3	2	2	2	2	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2
10	2	3	4	4	5	6	5	7	7	6	4	4	3	5	5	4	1	1	1	1	3	4	2	1	4
11	1	1	2	1	0	-	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	1
12	3	3	4	3	3	3	4	3	3	****	3	6	3	3	-	3	-	5	3	3	4	3	5	5	4
13	3	3	3	4	5	5	5	5	3	2	3	2	2	3	3	4	6	5	3	5	5	5	4	3	4
14	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
15	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	4	1
16	4	4	4	3	2	2	2	2	2	1	2	1	1	2	3	3	2	3	4	2	2	2	2	2	2
17	2	2	1	1	1	****	****	****	2	2	2	3	2	3	3	****	****	3	3	3	3	10	6	5	3
18	****	****	****	****	****	****	****	****	2	****	2	2	3	2	2	2	1	1	2	2	2	2	1	3	*****
19	2	2	2	2	2	2	2	1	1	1	****	2	2	1	1	2	1	1	2	2	2	1	1	1	2
20	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	2	2	1	1	1	2	2	3	3	1
21	2	2	2	-	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	3	3	4	3	2
22	4	3	4	4	4	4	5	4	2	3	3	3	2	2	2	2	2	2	2	3	4	3	2	2	3
23	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	3	4	3	3	3	3	3	3	2
24	2	2	2	1	1	1	1	1	****	1	1	1	1	0	****	0	1	1	1	1	1	1	1	2	1
25	2	1	2	2	2	2	1	1	1	0	0	0	0	0	1	1	1	1	1	1	2	3	3	2	1
26	3	2	2	2	2	3	5	4	3	2	1	1	2	2	****	****	****	5	2	2	2	2	1	2	2
27	1	2	4	5	4	4	4	5	5	3	3	1	1	1	1	1	1	1	1	1	1	1	2	1	2
28	2	1	1	1	1	1	1	2	1	2	1	1	2	1	2	1	2	2	3	4	4	3	2	2	2
29	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2
30	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	2	2	2	2	1	1
MEAN	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 94.3

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	2	1	1	1	2	1	2	1	2	2	2	1	1	2	2	3	3	3	2
2	3	2	3	3	2	2	4	7	5	4	3	2	2	2	2	3	3	3	3	3	4	3	5	5	3
3	4	3	4	3	3	4	3	3	2	2	2	2	2	2	2	2	2	1	2	3	5	4	2	3	3
4	3	2	2	2	2	2	2	2	2	2	2	3	2	3	****	4	4	3	4	4	3	3	3	3	3
5	2	2	2	2	2	2	3	3	3	-	2	2	2	2	2	1	3	3	3	3	5	5	6	5	3
6	5	5	4	3	4	3	1	2	4	4	2	2	1	1	1	1	0	0	0	0	0	0	0	1	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	1
8	2	3	2	2	1	2	2	2	2	1	1	1	1	1	1	1	2	2	3	3	2	2	2	1	2
9	1	1	1	1	2	2	2	3	4	4	4	-	2	2	2	4	2	4	5	2	2	4	2	2	3
10	3	1	1	2	4	5	3	4	4	2	2	2	2	****	2	3	3	5	4	3	4	4	3	2	3
11	4	2	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	3	3	2	3	2	2
12	2	1	2	2	2	3	3	3	2	2	2	2	2	2	1	1	1	3	3	3	5	6	6	5	3
13	5	4	4	3	4	3	3	4	3	2	2	2	2	2	2	3	3	3	4	3	4	5	6	6	3
14	6	6	6	7	7	7	7	5	5	5	4	3	2	3	4	4	3	5	7	5	6	6	4	5	5
15	5	5	4	7	6	5	5	4	5	6	6	3	4	4	2	3	2	2	3	2	4	2	2	2	4
16	1	1	1	1	1	2	2	2	1	-	1	1	****	****	1	1	1	1	1	1	2	3	3	3	1
17	3	3	4	4	2	3	4	5	6	5	3	3	3	2	3	3	2	2	2	2	****	****	2	1	3
18	1	2	1	1	1	2	2	1	1	1	****	1	1	1	1	1	1	1	1	-	2	2	2	3	1
19	2	2	2	2	2	2	2	2	1	1	1	0	0	0	1	1	1	2	3	3	3	2	5	5	2
20	5	3	5	4	4	4	4	4	3	3	****	3	****	4	3	3	3	2	4	5	5	3	****	3	4
21	4	3	3	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
22	2	2	1	2	2	1	3	5	-	4	3	2	2	2	1	2	2	2	1	2	1	1	2	1	2
23	3	3	2	1	1	3	2	2	3	2	2	1	****	****	****	****	1	-	2	2	1	1	1	1	2
24	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
25	0	0	0	0	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1
26	2	1	1	1	1	2	2	2	2	2	2	3	3	2	****	****	****	****	****	****	****	****	****	****	****
27	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	****
28	0	0	-	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1
29	2	2	****	1	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	2	3	3	3	3	2
30	3	3	2	2	1	2	2	3	2	1	0	0	0	1	1	2	2	1	2	3	3	2	2	3	2
31	4	4	2	4	2	2	2	3	4	3	2	1	1	2	2	2	3	4	3	4	3	2	1	1	3
MEAN	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2.2

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 5.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	1	1	1	1	2	2	2	****	1	****	1	1	1	1	1	1	2	2	3	4	4	3	2
2	3	3	3	3	3	3	3	4	2	1	1	1	1	1	0	2	3	2	3	2	2	1	2	2	2
3	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	5	4	3	2	1
4	1	1	1	1	2	3	3	3	3	2	2	2	1	2	2	2	3	4	5	5	6	6	5	3	3
5	****	****	1	1	2	4	-	****	4	-	-	3	3	2	3	3	2	2	2	2	-	3	4	3	3
6	4	5	4	4	5	5	4	4	3	2	2	2	2	2	3	-	****	5	4	3	3	3	2	2	3
7	2	4	3	4	4	4	4	4	3	2	2	3	2	2	3	2	2	3	4	3	3	2	2	2	3
8	2	2	2	2	3	2	3	3	3	2	3	2	2	2	3	3	3	4	4	5	4	5	3	2	3
9	2	2	1	1	1	2	2	2	2	1	1	1	1	2	3	3	4	5	4	3	4	5	4	3	3
10	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	3	2	4	3	3	2
11	1	1	0	0	1	-	1	1	1	****	1	1	1	1	1	1	1	1	1	2	3	3	4	3	1
12	3	3	3	3	2	3	3	2	2	2	2	2	2	2	-	3	-	5	6	2	2	2	2	2	3
13	2	3	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
14	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	2	2	0	1	1	2	1	1	1	1	1	1	****	1	1	1	2	4	4	5	4	2	2
16	4	4	3	3	2	2	2	2	3	2	1	1	1	1	1	1	2	2	4	3	4	3	3	2	2
17	2	1	1	1	1	****	****	****	2	1	2	3	3	3	4	****	****	2	2	2	2	4	4	5	2
18	****	****	****	****	****	****	****	****	3	2	2	2	2	5	4	2	2	2	2	2	2	2	3	3	3
19	2	1	1	1	1	2	2	2	1	1	1	****	1	1	1	2	1	1	1	1	2	2	3	3	1
20	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2
21	3	3	3	-	2	4	4	3	2	3	2	2	2	****	1	1	1	1	1	1	4	5	5	6	3
22	6	5	4	2	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3
23	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	2	4	2	1	1	1	1	1	****	1	1	1	1	1	****	1	0	1	1	2	1	1	1	2	1
25	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	2
26	2	2	2	2	2	2	3	5	2	****	****	1	1	1	1	2	2	1	2	2	2	1	1	2	2
27	1	2	1	3	3	3	3	3	3	4	2	3	2	4	3	3	3	1	1	2	1	2	2	2	2
28	1	1	1	1	1	2	2	2	2	1	2	2	2	1	1	1	1	1	1	2	3	4	4	3	2
29	1	0	1	1	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	1	2	2	2	1
30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	4	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2.0

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	2	1	0	1	1	1	0	0	0	1	0	1	0	1	0	1	1	1	2	2	2	2	1
2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	2	3	3	4	1
3	3	3	2	2	4	3	4	4	2	2	2	2	2	2	2	3	2	1	3	4	3	2	2	1	3
4	1	2	2	3	4	2	3	3	2	2	2	2	1	1	3	4	3	4	5	5	5	4	4	4	3
5	4	4	4	3	3	1	3	3	3	-	****	4	4	2	2	2	3	4	3	3	4	3	4	3	3
6	4	2	1	3	3	3	4	3	5	4	3	3	3	2	****	****	****	****	****	****	****	****	****	****	****
7	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	2	1	1	1	3	3	3	2	2
8	2	2	2	1	1	1	2	4	1	0	0	0	1	0	1	1	0	0	0	1	2	2	3	4	1
9	5	3	1	1	1	1	2	2	2	2	2	-	2	****	2	2	2	1	2	2	1	1	1	2	2
10	1	1	1	1	1	2	3	4	3	4	2	2	2	1	2	2	1	2	2	2	2	2	3	3	2
11	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	3	4	3	3	2
12	2	1	1	1	0	2	2	2	1	1	1	1	2	****	2	1	1	1	1	2	3	4	4	4	2
13	3	4	4	3	2	3	4	4	3	2	2	1	1	1	2	2	2	2	3	3	5	5	4	3	3
14	3	1	1	1	1	2	2	3	2	2	1	1	1	1	1	2	2	2	2	4	5	4	2	2	2
15	1	1	1	0	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	2	3	5	3	1	1
16	1	1	1	1	1	2	2	2	1	-	1	1	1	1	1	1	1	1	1	2	3	4	3	3	2
17	3	3	2	2	2	3	3	4	2	2	2	3	3	2	2	2	2	2	2	2	****	****	3	3	2
18	3	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	-	1	2	2	2	1
19	1	1	1	2	2	2	2	2	1	1	****	****	1	1	1	1	2	2	2	3	5	5	3	2	2
20	2	2	1	1	1	2	3	3	3	2	****	2	****	2	2	3	2	2	2	3	4	3	****	2	2
21	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	2	2
22	2	2	2	2	2	2	2	2	-	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	2
23	1	1	1	1	1	2	2	3	2	****	****	1	1	1	1	2	2	-	1	2	2	2	1	1	1
24	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
25	1	2	1	1	0	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	2	3	3	2	1
26	3	3	2	2	2	2	2	2	3	2	2	1	0	2	2	1	2	2	3	3	2	3	3	2	2
27	2	1	0	0	0	2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	1	1	1
28	2	2	-	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1
29	2	1	****	1	1	1	1	1	1	1	1	2	2	1	1	0	1	1	1	2	4	3	3	3	2
30	3	3	2	2	2	1	2	4	5	3	1	1	1	1	1	1	1	1	1	2	4	5	4	4	2
31	4	4	3	3	3	3	3	5	****	****	1	1	1	1	1	2	2	3	3	****	4	2	2	1	2
MEAN	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	2	1.8

PERCENTAGE OF DATA VALID - 94.5

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

NO_x Data

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	15	20	20	18	18	19	14	9	-	9	-	4	4	5	7	5	7	7	7	11	10	11	11	11
2	11	7	6	5	6	6	9	8	10	9	9	2	2	2	2	2	2	2	2	2	3	6	14	9	5
3	8	4	1	1	2	3	2	2	3	3	3	3	3	2	3	1	2	3	3	7	9	11	12	11	4
4	13	14	14	12	12	20	32	30	25	8	4	4	7	7	7	5	5	5	4	5	6	5	4	4	11
5	-	-	5	4	5	7	-	-	10	-	-	7	9	7	8	3	3	3	5	6	5	-	5	6	6
6	6	4	4	5	6	8	9	11	11	10	9	8	7	5	7	-	-	3	2	3	4	4	7	3	6
7	3	4	3	4	4	9	8	10	9	8	5	3	3	4	5	4	4	5	6	6	6	7	7	5	6
8	3	2	2	2	4	6	7	6	6	7	6	4	4	2	4	5	4	4	2	3	3	3	4	6	4
9	5	5	6	5	5	6	4	5	4	4	3	2	2	2	2	2	3	2	2	5	6	8	7	6	4
10	4	3	4	4	4	3	2	2	2	2	1	1	1	1	2	2	-	2	2	4	6	8	5	3	3
11	1	1	1	1	2	-	4	6	7	6	4	4	4	4	5	5	5	4	2	4	3	4	4	4	4
12	5	2	2	2	9	7	11	10	7	4	3	3	9	10	-	4	-	3	2	3	4	7	8	8	5
13	7	5	6	6	8	13	12	14	15	11	7	3	3	3	3	3	-	8	7	5	11	11	7	9	8
14	10	7	8	5	3	3	4	8	7	6	5	4	5	5	6	6	5	3	3	3	3	3	5	4	5
15	3	3	3	3	5	8	5	5	3	4	4	4	4	3	4	4	3	3	3	3	3	5	5	6	4
16	7	5	2	2	2	3	4	3	3	3	3	4	5	3	3	6	9	3	4	4	5	5	7	6	4
17	7	4	3	3	3	-	-	-	9	7	4	5	6	3	8	-	-	4	6	8	8	8	8	8	5
18	-	-	-	-	-	-	-	-	6	5	6	5	5	4	6	10	7	6	8	7	6	7	8	9	7
19	8	7	5	6	9	9	11	14	8	6	7	3	4	4	3	3	3	2	5	13	8	6	7	8	7
20	5	5	7	6	6	8	9	6	7	5	6	3	4	4	5	5	4	4	7	12	8	8	10	8	6
21	6	7	8	-	6	8	10	12	7	5	4	3	5	5	5	4	5	5	3	3	4	9	8	8	6
22	7	6	5	5	6	9	10	6	4	5	5	-	-	-	2	3	3	3	4	3	3	4	3	4	5
23	3	3	2	2	2	4	4	4	5	4	6	7	9	7	4	3	3	2	3	5	8	9	11	11	5
24	9	3	2	2	2	2	2	1	-	3	2	3	3	3	-	3	3	3	4	4	5	5	7	6	4
25	2	2	1	2	3	3	3	3	4	2	1	1	-	-	5	5	5	5	3	5	6	12	16	13	5
26	12	12	19	19	18	25	26	24	-	-	-	3	3	3	4	4	5	4	4	4	3	4	5	4	10
27	4	4	4	3	3	4	5	6	4	4	6	4	4	4	4	4	4	4	4	6	6	7	7	7	5
28	8	10	8	6	7	9	15	12	9	8	4	4	4	4	4	4	4	4	6	6	6	9	7	6	7
29	4	3	3	3	6	7	10	7	6	6	6	6	6	5	6	6	6	6	5	6	5	5	5	5	6
30	3	2	2	1	1	2	2	3	4	5	4	6	6	5	3	2	4	4	4	5	7	7	8	7	4
MEAN	7	5	5	5	6	8	9	9	7	6	5	4	5	4	5	4	4	4	4	5	6	7	7	7	5.7

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 5.6

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

FEB 14, 1985

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 1200B

457 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	3	4	3	2	2	3	4	4	4	4	3	2	2	2	2	2	2	4	5	8	12	16	17	5
2	20	17	24	25	15	16	23	15	14	12	7	5	5	4	8	9	5	4	4	5	8	12	16	17	5
3	10	8	8	12	11	13	18	21	13	12	11	5	4	4	4	4	4	4	4	5	6	5	12	14	11
4	8	5	5	6	6	6	8	6	4	5	5	4	6	4	4	4	4	4	4	6	4	10	8	10	9
5	8	5	5	8	6	6	9	13	16	-	14	12	6	6	6	4	4	5	6	5	4	5	5	8	5
6	8	6	5	4	4	6	7	11	12	10	8	4	5	8	5	11	13	7	8	6	10	12	10	6	9
7	2	2	2	2	1	1	2	1	1	0	0	1	1	1	1	4	4	4	4	4	4	4	4	4	5
8	3	3	3	3	2	2	3	4	3	1	2	1	1	1	0	0	0	0	1	1	3	3	3	3	1
9	4	5	5	4	3	4	5	3	3	4	4	-	5	-	-	4	3	2	3	4	3	2	2	2	4
10	2	2	2	4	4	9	11	-	11	7	5	3	2	2	2	2	3	3	2	4	6	6	4	3	4
11	3	3	2	4	4	4	6	7	6	4	5	6	6	6	7	8	5	4	4	5	7	11	14	13	6
12	8	7	6	5	9	12	13	13	12	10	-	4	4	3	4	5	4	3	4	5	6	10	12	15	4
13	19	18	23	19	20	22	30	32	23	13	8	5	3	3	3	5	3	4	4	5	6	10	12	15	4
14	-	-	-	8	13	14	14	11	10	11	9	5	4	3	3	5	3	4	4	6	8	-	-	-	13
15	7	7	5	5	5	4	4	4	4	4	4	4	4	4	4	3	5	3	3	3	4	4	5	5	7
16	9	8	6	5	3	6	8	4	5	-	-	3	3	3	3	3	3	3	3	3	4	6	7	7	5
17	7	10	7	4	7	7	11	9	7	6	7	8	4	5	3	3	3	3	3	3	5	7	6	7	5
18	9	9	6	5	6	8	9	6	5	4	4	5	6	6	5	5	5	4	6	9	-	-	9	7	7
19	9	9	8	11	13	16	20	23	17	7	4	4	4	3	3	3	4	6	6	-	6	12	19	15	7
20	9	9	9	9	9	9	11	11	14	9	-	3	-	3	4	3	3	5	4	7	3	5	-	5	7
21	5	7	3	3	3	3	4	10	7	8	5	3	4	2	2	1	2	3	3	4	5	6	8	9	5
22	10	6	5	7	11	11	7	3	-	1	1	1	1	1	1	1	1	1	2	4	5	6	8	9	5
23	3	5	1	3	6	5	9	8	7	5	7	5	5	5	5	5	3	-	3	3	3	3	3	3	4
24	7	2	1	1	3	4	7	10	-	9	5	4	3	3	3	5	5	-	3	5	4	4	4	5	5
25	3	3	2	1	3	5	6	10	10	10	14	8	6	7	5	6	5	3	3	3	6	7	5	5	5
26	4	8	5	6	10	12	14	13	15	9	9	10	10	7	8	12	10	6	6	8	7	4	6	6	6
27	5	7	5	4	5	7	13	12	11	7	5	4	4	5	5	5	5	7	5	4	6	7	6	6	6
28	6	5	-	5	6	5	6	5	5	3	3	2	3	1	2	1	5	2	2	3	3	4	6	7	4
29	8	7	-	5	5	5	4	4	5	5	4	3	1	1	1	2	2	2	2	3	3	4	6	7	4
30	17	20	14	13	13	15	34	25	13	6	5	4	4	3	1	1	2	3	2	2	4	7	9	15	5
31	-	5	-	3	3	5	7	12	9	7	8	8	3	5	5	5	5	4	5	5	8	-	-	-	10
MEAN	8	7	6	6	7	8	11	11	9	7	5	5	4	4	4	4	4	4	4	4	5	6	7	7	6.1

69

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1975 DATA

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - S4 NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARVIA

MONTH - JUL 84

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	3	3	2	2	2	3	2	3	2	3	3	3	2	2	3	3	4	4	4	3
2	4	3	4	4	3	5	8	8	6	5	4	3	3	3	3	4	4	4	4	4	5	4	6	6	4
3	5	4	5	4	4	5	4	4	3	3	3	3	3	3	3	3	3	2	3	4	6	6	5	3	4
4	4	3	3	3	3	3	3	3	3	3	3	4	3	4	-	4	4	3	4	4	3	3	3	3	3
5	2	2	2	2	2	2	4	4	4	-	2	2	2	2	2	1	3	3	3	3	5	6	7	6	3
6	7	7	5	3	4	4	1	2	4	4	2	2	1	1	1	1	0	0	0	0	0	0	0	1	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	5	1
8	3	5	3	2	1	3	3	3	2	1	1	1	1	1	1	1	2	2	3	3	3	2	2	1	2
9	1	1	1	1	2	2	2	3	5	5	5	-	2	2	2	4	2	4	6	2	2	4	2	2	3
10	3	1	1	2	4	5	4	5	4	2	2	2	2	-	-	4	4	6	5	4	5	5	4	2	3
11	5	2	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	3	3	2	4	2	2
12	2	1	2	2	2	4	4	4	2	2	2	2	2	2	1	1	1	4	3	3	6	6	10	11	3
13	12	6	6	4	4	3	4	5	4	2	2	2	2	2	2	3	3	3	4	3	4	5	6	6	4
14	6	6	6	8	8	10	8	5	5	5	4	3	2	3	4	4	3	5	7	5	6	6	4	5	5
15	5	5	4	6	7	6	5	4	6	6	5	3	4	4	2	3	2	2	3	2	4	2	2	2	4
16	1	1	1	1	1	2	2	2	1	-	1	1	-	-	1	1	1	1	1	1	2	4	4	6	2
17	4	3	4	4	2	3	5	6	8	7	3	3	3	2	3	-	2	2	2	2	-	-	2	1	3
18	1	2	1	1	1	3	2	1	1	2	-	1	1	1	1	1	1	1	1	-	3	12	3	7	2
19	3	2	2	2	4	4	3	3	1	1	1	0	0	0	1	1	1	2	3	3	3	2	5	5	2
20	5	3	5	4	4	4	5	4	3	3	-	3	-	4	3	3	3	2	4	5	5	3	-	3	4
21	4	3	3	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
22	3	3	1	2	3	2	3	5	-	4	3	2	2	2	1	2	2	2	1	2	1	1	2	1	2
23	3	3	2	1	1	3	2	2	3	2	2	1	-	-	-	-	1	-	2	2	1	1	1	1	2
24	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
25	0	0	0	0	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	3	4	2	2	1
26	2	1	1	1	1	2	2	3	3	3	3	4	4	2	-	-	-	-	-	-	-	-	-	-	1
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
28	0	0	-	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	*****
29	2	2	-	1	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	2	5	8	13	6	2
30	6	6	3	2	1	2	3	4	2	1	0	0	0	1	1	2	2	1	2	3	3	2	2	3	2
31	4	4	2	4	2	3	3	4	5	4	3	1	1	2	2	2	3	4	3	4	3	2	1	1	3
MEAN	3	3	3	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	4	4	3	2.6

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 6.7

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

OCT 02, 1984

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - JUN 84											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	2	1	1	1	1	2	2	2	-	1	-	1	1	1	1	1	2	2	2	3	6	6	5	2	
2	5	3	6	4	5	9	7	6	2	1	1	1	1	1	0	2	3	2	3	2	2	1	2	2	3	
3	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	9	5	3	2	2	
4	1	1	1	1	2	3	4	4	3	2	2	2	1	2	2	2	3	4	5	5	6	11	7	5	3	
5	-	-	1	1	2	5	-	-	4	-	-	-	3	2	3	3	2	2	2	2	2	-	3	4	3	
6	4	6	5	5	9	9	6	5	4	3	3	3	3	3	4	-	-	6	5	4	4	4	2	2	5	
7	2	5	3	5	5	6	5	5	4	3	3	4	3	3	4	3	3	4	5	4	4	2	2	2	4	
8	2	2	2	2	4	3	4	4	4	3	4	3	3	3	4	4	4	5	5	6	5	3	4	3	4	
9	3	3	2	2	2	3	3	3	3	2	2	2	2	4	5	5	6	7	6	4	5	7	6	4	4	
10	3	3	3	2	2	2	2	2	2	2	2	3	3	4	4	3	2	2	3	4	3	5	3	3	3	
11	1	1	0	0	1	-	1	1	1	-	1	1	1	1	1	1	1	1	1	2	3	4	9	10	2	
12	7	5	5	8	8	8	4	3	2	2	2	2	2	2	-	4	-	6	7	3	3	2	2	2	4	
13	2	3	2	2	3	3	4	4	4	3	3	3	3	3	3	3	3	5	3	3	2	4	4	3	3	
14	2	1	1	1	0	0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
15	1	1	2	2	0	1	1	2	1	1	1	1	1	1	-	-	1	1	2	5	6	6	7	5	2	
16	6	5	3	3	2	2	2	2	3	2	1	1	1	1	1	2	2	4	4	3	4	3	3	2	3	
17	2	1	1	1	2	-	-	-	3	2	3	6	5	5	6	-	-	3	3	3	3	5	6	7	4	
18	-	-	-	-	-	-	-	-	5	3	3	3	3	7	6	3	3	3	3	3	3	5	5	5	4	
19	4	3	3	4	4	5	5	5	3	3	3	-	2	2	2	3	2	2	2	2	3	3	4	5	3	
20	6	3	2	2	3	3	4	4	4	2	2	2	2	2	2	2	2	3	4	4	4	5	5	4	3	
21	5	5	5	-	4	7	6	4	3	4	3	3	2	-	1	1	2	2	2	2	5	6	6	9	4	
22	8	7	6	3	4	5	3	3	3	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	3	
23	2	1	1	2	2	2	2	3	3	3	4	3	3	4	4	4	4	4	5	5	5	6	6	6	4	
24	7	10	9	8	10	10	10	10	-	9	9	8	7	6	-	4	2	2	1	2	2	1	1	2	6	
25	1	1	1	2	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3	5	4	3	2	
26	3	4	6	11	8	8	12	7	3	-	-	1	1	1	1	2	2	1	2	2	2	1	1	1	4	
27	2	3	2	5	5	6	6	7	7	9	7	9	8	11	11	11	10	8	7	7	6	6	6	6	7	
28	6	6	6	6	6	7	8	8	7	6	7	7	6	5	4	3	2	2	2	3	4	7	11	7	6	
29	2	1	2	2	2	2	2	2	2	2	2	2	2	-	2	2	3	3	3	3	4	4	4	4	2	
30	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	7	7	7	8	3	
MEAN	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3.3	

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 5.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	6	7	6	5	6	6	6	5	5	5	6	4	5	4	5	4	5	5	5	6	6	7	6	6
2	6	6	6	5	5	5	5	5	5	5	4	3	3	3	2	2	2	3	4	4	5	6	7	9	5
3	7	7	6	6	9	8	11	11	8	8	8	8	7	7	7	7	6	6	8	9	8	8	8	7	8
4	7	8	8	10	12	9	10	11	11	11	11	11	10	10	13	14	13	13	14	13	12	11	12	12	11
5	13	12	13	13	12	10	13	13	13	-	-	7	9	8	9	11	13	14	13	12	11	8	11	8	11
6	10	7	6	8	8	9	11	10	11	8	7	6	6	6	-	-	-	-	-	-	-	-	-	-	*****
7	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	2	1	1	1	5	10	14	11	3
8	13	8	8	7	7	9	12	10	1	0	0	0	0	0	1	1	0	0	0	1	2	2	3	5	4
9	6	3	1	1	1	1	2	2	2	2	2	-	2	-	2	2	2	1	2	2	1	1	2	2	2
10	1	1	1	1	1	2	3	4	3	5	2	2	2	1	2	2	1	2	2	2	2	2	3	3	2
11	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	3	5	4	3	2
12	2	1	1	1	0	2	3	3	1	1	1	1	2	-	2	1	1	1	1	2	3	5	8	12	2
13	13	13	12	11	10	12	14	7	4	2	2	1	1	1	2	2	2	2	3	3	6	5	4	3	6
14	3	1	1	1	1	2	2	3	2	2	1	1	1	1	1	2	2	2	2	4	5	4	2	2	2
15	1	1	1	0	1	1	2	2	2	2	2	3	3	3	6	5	4	5	6	7	8	11	9	5	4
16	4	3	3	2	2	3	4	3	2	-	2	2	2	2	2	2	2	1	1	2	4	7	6	11	3
17	13	9	5	6	6	10	9	8	3	2	2	2	3	4	3	3	3	3	3	3	-	-	4	4	5
18	5	2	2	2	2	3	4	4	3	2	2	2	2	1	1	1	1	1	1	-	1	3	4	3	2
19	1	1	1	3	3	3	4	3	1	1	-	-	1	1	1	1	2	2	2	3	6	6	3	2	2
20	2	2	1	1	1	2	3	4	3	2	-	2	-	2	2	3	2	2	2	3	4	3	-	2	2
21	3	2	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	5	6	4	3
22	4	5	7	5	6	5	4	4	-	3	3	2	2	2	2	2	2	2	2	3	3	4	3	2	3
23	2	2	2	2	2	3	3	4	3	-	-	2	2	2	2	3	3	-	2	3	3	3	2	2	2
24	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	1	2
25	1	2	1	1	0	1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	2	4	4	6	2
26	14	12	12	13	12	12	9	11	9	7	3	1	-	2	2	1	2	2	4	3	2	3	3	2	6
27	2	1	0	0	0	2	3	2	1	1	1	1	0	1	1	1	1	1	1	1	2	2	1	1	1
28	2	3	-	1	1	1	2	2	1	0	0	0	0	0	0	0	0	2	2	2	2	1	1	2	1
29	3	1	-	1	1	1	1	1	1	1	1	2	2	1	1	0	1	2	2	3	6	5	4	4	2
30	4	7	6	6	7	7	9	12	8	3	1	1	1	1	1	1	1	1	1	2	4	8	11	11	5
31	11	13	9	11	9	15	18	16	-	-	1	1	1	1	1	2	2	3	3	-	4	2	2	1	6
MEAN	5	5	4	4	4	5	6	6	4	3	3	3	3	3	3	3	3	3	3	4	4	5	5	5	3.9

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 5.6

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

Total Hydrocarbons Data

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	34	35	43	37	37	42	44	36	29	****	22	****	27	27	27	27	26	21	25	25	27	27	28	30	31
2	31	28	28	28	27	27	30	27	29	26	26	25	25	25	25	25	25	24	26	24	25	26	30	30	27
3	28	28	25	25	25	26	25	25	25	24	24	24	24	23	24	23	24	24	24	26	29	29	27	30	25
4	37	41	40	40	42	58	57	56	46	29	25	25	25	25	26	27	25	25	24	25	25	26	25	26	33
5	****	****	25	26	26	26	-	****	27	-	-	26	27	26	26	26	25	27	27	27	26	-	25	28	26
6	27	26	28	28	28	31	29	28	29	28	26	26	26	26	26	-	****	23	24	24	24	24	25	26	26
7	25	25	26	29	26	30	29	28	27	26	26	26	26	25	25	25	24	25	25	25	25	26	25	24	26
8	24	23	23	24	24	25	25	26	****	****	27	27	27	26	26	26	25	26	26	26	26	26	25	25	25
9	26	27	26	28	30	30	27	29	28	27	27	26	25	26	25	26	26	26	26	27	28	27	27	29	27
10	29	28	29	29	27	27	26	26	26	25	24	24	24	24	24	25	-	24	26	28	29	29	27	25	26
11	25	25	25	25	25	-	26	26	26	26	26	19	****	****	23	23	22	23	23	24	22	23	23	23	24
12	24	24	23	24	25	26	25	25	23	23	23	23	24	24	-	24	-	23	23	23	24	25	27	26	24
13	25	26	23	25	27	33	32	34	34	30	27	25	24	24	24	20	****	27	25	25	28	30	28	31	27
14	32	28	27	27	25	24	25	26	12	24	25	25	25	25	25	25	25	24	24	24	24	24	24	24	25
15	25	25	25	25	25	25	25	25	24	25	25	24	24	24	24	24	24	24	24	24	23	24	25	27	25
16	25	25	24	24	24	25	25	25	25	25	25	25	25	24	25	25	26	24	24	24	26	26	27	26	25
17	27	27	29	27	28	****	****	****	27	27	26	25	28	29	29	****	****	25	27	31	27	27	27	26	27
18	****	****	****	****	****	****	****	****	28	27	27	26	25	26	25	29	26	27	26	24	24	25	28	28	26
19	28	29	28	30	35	31	30	32	28	27	26	24	25	26	25	25	24	24	25	26	25	25	25	26	27
20	25	26	26	26	26	30	29	26	27	26	26	25	23	24	25	25	24	24	25	26	26	30	29	26	26
21	27	28	30	-	31	32	33	30	28	27	26	25	25	24	24	24	24	24	24	24	24	27	26	26	27
22	26	29	29	30	33	35	33	26	26	25	25	22	****	52	23	23	23	23	24	25	24	23	23	24	27
23	24	23	23	23	24	25	25	26	26	25	25	24	25	24	23	23	23	23	23	24	21	15	29	31	24
24	28	25	25	17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	21	23	****	****	****	****	19	20	22	24	23
26	24	27	33	36	35	40	35	36	22	23	20	19	19	19	19	19	19	19	19	19	19	18	19	19	24
27	20	19	19	20	19	19	20	20	19	19	19	19	19	19	18	18	18	18	18	18	18	19	19	19	19
28	21	22	23	20	22	25	26	24	21	20	19	19	19	19	19	19	19	19	19	19	20	19	19	19	20
29	19	19	20	20	21	22	23	20	20	20	20	19	19	19	18	19	19	7	19	21	19	19	19	19	19
30	19	18	18	18	19	19	19	19	19	20	19	20	19	19	19	18	18	19	20	19	20	21	20	20	19
MEAN	26	26	27	26	27	29	29	28	26	25	24	24	24	25	24	24	23	23	24	24	24	24	25	25	25.2

PERCENTAGE OF DATA VALID - 90.0

PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 18, 1984

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JUL 84									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	19	20	19	20	19	20	20	19	19	19	19	19	19	19	18	18	18	19	20	21	25	30	27	20
2	32	33	39	35	35	37	35	34	30	23	20	20	19	19	20	20	19	19	21	22	20	21	24	24	26
3	23	22	24	27	27	30	38	32	27	24	21	20	20	21	19	19	19	19	20	21	22	23	21	24	23
4	22	22	22	21	23	24	25	24	22	21	23	22	21	21	20	20	20	20	20	19	19	20	23	22	22
5	21	22	23	25	22	24	27	27	26	-	26	25	22	21	21	22	21	20	19	21	22	22	22	20	23
6	22	23	21	19	19	21	21	23	22	22	22	20	19	20	19	19	18	18	19	18	20	18	18	19	20
7	19	19	20	19	20	20	20	19	19	18	18	18	18	18	18	19	18	18	18	18	20	24	27	31	20
8	40	37	33	28	29	31	30	28	22	20	22	20	19	19	19	18	18	18	19	19	19	19	18	18	23
9	18	20	19	19	20	19	19	20	20	19	20	-	19	19	19	19	19	19	19	19	19	19	19	19	19
10	20	24	22	23	26	25	26	30	25	20	19	19	19	19	20	20	19	19	20	20	23	20	19	20	22
11	20	18	19	20	19	19	21	21	21	19	20	21	20	19	19	19	20	19	18	19	19	21	24	25	20
12	22	22	21	21	23	26	25	23	21	23	21	20	20	19	20	16	5	19	19	19	20	23	24	30	21
13	34	34	37	36	38	42	44	41	28	24	21	20	20	20	19	19	19	21	20	21	23	23	22	23	27
14	22	23	25	30	33	37	35	31	28	26	23	20	20	20	20	19	19	18	19	18	19	19	20	23	24
15	24	23	22	23	22	23	23	20	20	20	20	19	19	20	18	18	18	18	18	18	18	18	20	20	20
16	23	23	21	21	20	21	21	20	19	-	****	18	20	20	20	20	20	20	20	20	20	21	21	22	21
17	24	26	26	23	22	23	23	22	22	14	****	21	21	20	20	20	21	21	20	21	****	****	23	22	22
18	22	24	23	23	24	24	23	21	20	20	20	20	20	20	20	20	20	20	20	-	19	27	30	25	22
19	22	23	27	35	36	38	36	33	26	21	20	20	19	20	20	20	19	19	20	20	21	21	22	21	24
20	25	26	28	26	24	25	24	23	22	19	****	21	****	21	21	20	20	21	20	21	21	22	****	21	22
21	23	22	23	23	24	23	23	26	24	23	23	22	21	21	21	21	21	22	21	20	21	23	24	25	23
22	26	23	24	30	36	40	31	22	-	22	21	20	20	20	19	19	19	19	20	20	21	21	21	22	23
23	22	23	26	27	29	32	30	26	24	24	22	21	21	21	21	22	21	-	21	21	21	21	21	23	23
24	23	21	21	21	21	22	21	23	****	****	21	21	21	20	20	20	21	20	20	19	20	21	19	19	21
25	19	19	20	20	22	22	22	24	24	24	24	22	22	21	20	20	20	19	19	20	20	20	20	21	21
26	21	22	23	27	30	31	29	30	30	22	23	24	21	22	22	24	22	21	20	20	19	23	19	20	24
27	20	22	21	21	23	24	25	24	23	18	18	21	21	21	21	20	21	22	20	20	20	20	20	20	21
28	20	21	-	21	22	22	23	22	21	20	20	20	21	19	20	20	19	19	19	20	20	20	20	22	20
29	22	22	****	24	24	23	23	22	21	20	20	19	19	19	19	19	19	19	19	19	21	22	24	33	21
30	33	32	34	35	34	31	48	33	25	22	21	21	20	20	20	20	20	20	20	20	21	21	21	23	26
31	21	20	21	22	23	24	26	23	24	25	23	21	21	22	21	21	21	21	24	33	21	21	22	23	23
MEAN	23	24	24	25	25	27	27	25	23	21	21	21	20	20	20	20	19	20	20	20	20	21	22	23	22.1

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 14064					CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA										MONTH - JUN 84										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	16	17	17	17	20	19	19	****	18	****	16	16	17	17	17	21	18	17	16	17	18	17	17
2	18	18	17	18	20	22	20	18	18	17	16	16	15	15	15	15	15	15	16	17	17	17	20	17	17
3	24	17	16	15	15	15	15	16	16	15	15	15	15	16	16	16	15	18	17	21	22	20	20	19	17
4	19	19	19	18	19	18	18	19	17	16	16	16	18	17	17	17	17	17	17	25	24	20	19	19	18
5	****	****	18	18	19	19	-	****	****	-	-	20	19	20	20	19	20	20	20	21	21	-	23	26	20
6	32	35	35	26	31	29	26	21	20	19	18	19	19	19	18	-	****	****	****	****	****	19	20	25	24
7	26	29	32	35	39	40	29	26	21	22	24	22	22	29	33	32	30	24	26	48	38	54	50	29	32
8	23	23	21	25	29	25	31	29	24	25	23	23	22	24	23	30	28	25	19	34	22	28	29	25	25
9	24	18	18	18	19	20	19	17	17	18	18	17	21	21	19	18	21	18	18	18	19	18	19	18	19
10	19	25	42	33	27	30	33	32	25	21	23	20	21	20	19	18	17	17	17	18	22	23	18	18	23
11	18	18	18	18	18	-	18	17	18	20	19	20	19	18	19	19	20	21	19	21	20	21	27	25	20
12	22	23	24	24	22	22	22	21	22	****	20	21	21	22	-	21	-	20	22	20	20	23	28	31	22
13	25	26	24	26	25	33	39	28	20	19	20	20	20	20	20	20	21	20	19	20	20	25	21	19	23
14	18	16	17	17	17	19	17	18	18	18	18	18	17	18	18	19	18	19	19	19	18	19	19	19	18
15	19	20	19	19	19	19	19	19	18	19	18	19	18	18	18	18	18	18	18	19	19	20	21	23	19
16	27	25	25	23	21	20	20	19	19	18	18	18	18	19	18	19	18	23	21	21	19	19	20	21	20
17	20	19	20	19	19	****	****	****	20	20	20	21	21	22	21	****	****	18	19	19	18	21	58	61	24
18	****	****	****	****	****	****	****	****	19	****	17	17	16	16	15	15	15	15	16	17	17	19	18	21	****
19	22	20	16	16	18	21	20	16	16	****	17	18	18	18	18	17	17	18	18	19	19	19	20	18	18
20	18	18	20	19	19	19	19	19	20	19	18	19	19	19	18	18	18	18	18	18	18	19	18	20	19
21	21	22	21	-	23	22	19	18	18	18	18	18	18	18	18	19	18	18	17	19	19	19	19	19	19
22	19	19	21	27	26	27	25	19	19	18	18	17	16	16	16	15	18	18	18	19	19	****	18	18	19
23	18	18	17	16	17	18	17	18	18	19	19	20	21	21	21	21	21	21	20	21	22	23	22	25	20
24	22	22	21	21	21	21	20	20	****	20	19	19	19	19	****	19	19	20	20	19	20	21	20	20	20
25	21	21	21	20	20	21	21	21	21	19	19	19	19	19	20	20	20	20	20	20	20	22	21	20	20
26	24	26	25	25	28	32	41	31	23	20	20	20	21	16	19	20	20	20	20	19	21	19	18	19	23
27	18	20	23	27	24	28	29	28	29	19	18	17	16	16	17	17	17	17	17	17	17	18	18	18	20
28	21	20	19	19	20	20	21	20	19	18	18	18	18	18	18	19	18	20	20	20	20	19	18	18	19
29	17	18	18	18	17	16	16	17	16	16	16	16	16	16	16	17	17	16	16	16	16	16	16	16	16
30	16	18	18	18	18	18	18	19	18	17	17	17	16	16	17	16	17	17	16	17	17	17	17	17	17
MEAN	21	21	21	21	22	23	23	21	20	19	19	19	19	19	19	19	19	19	19	21	20	21	22	22	20.2

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	17	17	17	18	18	18	18	17	17	17	18	18	17	17	17	17	17	17	18	19	22	23	22	18
2	20	20	22	25	25	30	47	71	33	22	21	19	19	19	19	20	18	19	20	22	23	24	34	37	26
3	44	35	28	22	23	25	23	21	20	20	19	20	20	20	20	20	20	20	22	24	28	38	31	28	24
4	25	24	27	22	22	23	23	21	20	19	18	19	19	19	20	21	20	21	22	21	24	26	25	23	22
5	21	20	22	23	21	22	24	22	24	-	19	20	19	18	18	19	20	23	21	20	21	33	38	31	23
6	29	36	27	26	30	26	18	20	28	24	21	18	18	18	18	18	18	17	17	17	17	17	18	19	21
7	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	19	18	18	20	27	25	26	20
8	24	25	24	23	23	23	23	21	21	19	19	18	19	19	18	19	20	18	19	18	20	27	25	26	20
9	19	18	20	21	22	24	22	21	25	22	22	-	20	21	21	22	22	18	20	22	24	20	21	20	21
10	26	23	22	24	34	41	24	30	31	21	19	20	20	****	17	16	17	17	18	21	23	24	24	24	22
11	26	14	15	15	16	16	14	15	15	15	15	15	15	15	15	14	15	16	17	24	18	17	19	17	22
12	16	17	18	17	17	21	18	17	16	16	16	16	16	16	16	16	16	16	17	24	18	17	19	17	16
13	33	41	29	22	22	27	22	21	19	19	17	18	18	18	19	20	21	22	23	27	22	30	49	37	19
14	25	30	32	28	27	29	29	27	26	23	20	19	20	20	21	23	20	24	26	25	29	28	26	39	25
15	31	32	26	43	38	27	28	24	26	25	23	19	20	21	19	23	20	24	26	25	29	28	26	39	26
16	20	18	18	18	17	17	17	16	16	-	16	16	16	16	19	19	17	17	20	19	17	18	17	19	24
17	33	45	39	36	25	29	26	27	30	23	22	23	20	18	20	20	17	17	16	17	19	21	20	19	24
18	17	17	18	18	18	18	17	17	16	16	****	****	16	16	16	17	17	17	17	17	****	****	17	17	18
19	23	21	21	21	24	24	22	20	18	17	17	16	16	16	16	17	17	16	17	-	19	28	23	35	19
20	34	21	37	31	25	29	23	21	20	19	****	21	****	18	18	20	20	20	21	23	21	18	****	20	23
21	27	33	23	24	23	22	20	17	16	16	16	17	16	17	17	16	16	15	16	16	17	18	17	19	19
22	19	20	18	20	26	32	41	43	-	22	23	22	20	22	22	19	19	20	19	19	18	17	21	24	23
23	31	29	25	24	26	32	27	25	22	20	21	19	****	20	19	20	20	-	21	21	21	22	20	20	23
24	18	17	16	16	17	17	17	17	17	16	17	17	16	17	16	17	17	17	17	17	17	16	16	16	17
25	16	16	16	17	18	19	19	19	17	17	17	17	16	16	16	16	16	16	16	16	18	19	22	23	17
26	19	19	18	19	21	23	20	21	20	20	19	20	19	20	21	18	23	20	20	21	20	19	20	20	20
27	25	23	22	20	19	19	20	20	19	18	17	18	17	19	17	16	15	16	16	16	17	16	17	16	18
28	17	17	-	18	16	17	18	18	17	17	17	17	17	16	17	16	15	16	16	16	17	16	17	16	18
29	20	21	****	20	21	21	21	18	17	17	17	17	17	16	17	16	16	16	16	17	17	18	20	20	17
30	22	34	23	23	25	26	25	22	19	18	18	18	18	19	18	19	18	18	19	21	22	19	24	28	22
31	40	44	32	57	36	27	25	26	26	22	19	18	19	20	19	20	19	20	31	23	24	22	23	26	27
MEAN	24	25	23	24	23	24	23	23	21	19	19	19	18	18	18	19	18	18	19	20	20	22	24	25	21.1

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	28	27	27	26	25	26	26	31	26	28	25	****	25	24	24	25	25	28	24	26	27	29	30	32	27
2	33	34	33	34	36	37	37	32	28	26	27	28	28	28	26	26	27	28	29	29	29	29	32	26	30
3	28	26	28	27	26	24	23	23	23	23	23	24	23	24	23	23	24	23	23	25	29	29	26	26	25
4	25	26	25	27	30	27	28	28	27	26	25	26	25	25	25	26	25	26	27	27	30	32	30	33	27
5	****	****	34	36	36	35	-	****	35	-	-	****	31	29	29	29	29	30	30	30	28	-	29	24	31
6	25	26	27	26	29	40	27	28	25	24	24	24	24	23	26	-	****	28	28	28	30	30	31	29	27
7	27	26	28	32	31	31	32	27	25	25	25	27	29	28	27	23	25	23	26	33	32	30	28	25	28
8	25	25	27	29	27	26	27	25	26	27	25	24	23	22	23	24	24	23	23	23	23	23	24	23	25
9	24	24	24	24	24	24	25	25	25	24	24	24	23	25	25	25	25	26	28	26	32	36	33	33	26
10	33	31	27	27	27	27	26	25	25	24	24	24	23	22	22	22	21	23	23	25	25	27	26	27	25
11	****	****	****	****	****	****	****	****	****	****	****	****	27	26	27	26	26	26	25	26	27	32	38	45	****
12	52	52	57	58	56	44	36	33	32	30	30	30	30	31	-	30	-	30	34	35	36	35	37	32	38
13	30	31	29	27	28	28	29	29	29	28	28	28	27	26	28	28	26	28	28	27	25	28	27	27	28
14	26	25	25	26	25	26	26	26	25	26	27	26	26	27	26	26	27	26	26	27	27	28	28	28	26
15	28	28	28	28	28	30	29	30	29	28	29	28	28	28	****	****	26	26	28	29	29	33	37	34	29
16	33	31	30	30	30	29	29	29	31	29	30	30	29	31	29	27	28	30	28	30	30	34	33	30	30
17	31	30	29	32	30	****	****	****	31	29	30	34	35	34	33	****	****	38	35	38	37	31	26	27	32
18	****	****	****	****	****	****	****	****	28	27	26	26	26	29	30	25	24	25	27	29	29	28	29	28	27
19	27	26	27	26	27	27	26	25	25	24	24	****	26	25	25	26	25	26	26	26	27	27	29	30	26
20	32	31	39	30	32	30	29	30	30	29	27	29	28	28	29	27	26	27	26	26	26	27	30	40	30
21	32	35	36	-	31	32	32	30	30	32	30	28	29	****	27	29	29	30	29	30	29	30	32	33	31
22	37	45	39	39	37	35	33	33	30	31	30	30	31	31	29	30	29	29	29	30	30	30	30	29	32
23	29	28	28	28	29	29	29	30	31	33	31	30	31	32	32	33	33	34	32	30	30	30	29	28	30
24	29	26	25	25	26	27	27	27	****	25	25	25	25	25	****	24	23	23	24	25	25	25	26	26	25
25	27	28	27	29	27	27	26	26	25	25	24	25	24	24	24	25	26	25	25	25	27	29	29	29	26
26	32	35	39	46	42	42	46	43	29	****	****	25	25	25	26	26	29	27	27	35	30	31	32	31	33
27	30	28	31	27	26	27	27	27	27	27	26	26	26	27	26	25	24	23	24	24	24	25	26	26	26
28	25	24	25	25	26	27	27	26	25	25	25	25	25	25	24	24	24	25	25	25	29	33	39	33	27
29	27	26	27	28	27	26	27	27	26	26	26	26	25	24	25	25	25	25	25	26	26	27	27	27	26
30	27	28	27	26	30	30	27	27	27	26	25	26	26	26	26	25	26	26	26	27	27	27	29	30	27
MEAN	30	30	30	30	30	30	29	29	28	27	26	27	27	27	27	26	26	27	27	28	29	29	30	30	28.2

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 18, 1984

POLLUTANT - TOTAL HYDROCARBONS

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - JUL 84										MEAN
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
DAY																									
1	30	28	28	28	28	27	27	27	26	26	26	27	27	26	23	24	23	24	24	25	25	26	27	30	26
2	29	31	29	27	27	27	27	26	25	25	24	25	25	24	24	25	26	26	27	25	27	27	27	28	26
3	27	27	26	27	31	36	30	29	26	26	32	26	25	26	26	29	27	26	26	27	26	26	26	26	27
4	26	29	27	28	28	28	28	27	27	27	26	27	26	26	29	30	31	30	31	33	36	32	32	36	29
5	49	36	39	35	33	27	28	29	35	-	****	32	35	30	30	28	33	37	33	33	35	34	39	34	34
6	35	37	36	28	28	30	35	29	32	37	37	34	31	31	35	31	29	27	26	24	24	24	25	23	30
7	24	23	24	24	23	24	24	23	25	25	24	24	24	24	24	23	25	24	23	26	30	36	54	51	27
8	47	42	42	49	51	57	54	44	31	28	28	29	29	27	26	29	27	26	26	27	30	28	32	29	35
9	28	29	38	32	33	32	33	34	31	29	29	-	27	30	33	30	29	28	28	33	37	31	28	36	31
10	33	29	28	31	32	34	36	30	29	32	27	27	26	26	26	27	25	25	26	27	32	29	31	41	30
11	29	31	23	22	23	25	25	24	25	24	24	25	25	25	24	24	23	22	23	24	27	31	29	28	25
12	27	26	27	27	25	25	26	27	25	25	24	25	24	****	28	28	28	28	30	30	31	33	40	44	28
13	51	58	57	54	61	62	52	33	30	29	28	28	28	28	28	28	29	28	28	28	31	29	30	27	37
14	29	27	27	27	26	26	28	30	28	27	27	26	26	27	26	27	27	27	27	27	28	27	27	26	27
15	26	26	26	26	27	27	27	27	27	26	25	26	25	26	27	25	25	25	25	25	28	32	28	26	26
16	25	26	26	25	26	26	26	25	25	-	26	25	26	26	26	26	26	25	25	27	28	34	34	42	27
17	53	77	89	63	55	46	36	34	27	27	29	29	28	29	26	25	25	24	26	26	****	****	27	26	38
18	28	28	25	25	26	27	27	27	26	25	25	26	25	24	24	24	24	24	24	-	25	27	28	26	26
19	26	27	30	29	27	26	26	27	26	25	****	****	37	24	25	25	25	25	24	24	26	26	26	26	26
20	26	25	24	24	25	26	27	26	25	25	****	24	****	26	26	26	25	24	25	25	25	25	****	25	25
21	28	28	29	29	29	29	31	27	26	26	26	26	25	24	24	25	24	25	25	25	26	28	29	28	27
22	28	33	47	34	40	55	59	44	-	26	26	27	27	26	26	26	25	25	25	28	40	43	32	29	34
23	30	27	27	26	27	28	28	28	27	****	****	29	29	29	29	29	29	-	28	28	29	28	27	27	28
24	26	25	25	25	26	25	26	26	25	25	25	25	25	25	25	25	25	26	26	26	27	28	29	29	26
25	28	29	29	29	29	29	30	28	28	28	28	27	26	26	25	26	26	26	26	28	28	29	30	36	28
26	53	55	51	68	84	72	39	46	36	38	32	32	****	28	29	29	30	29	31	29	28	27	29	28	40
27	28	28	28	27	28	29	28	27	27	26	26	26	25	26	27	27	27	26	26	26	27	28	27	28	27
28	29	30	-	30	30	30	30	29	27	28	27	26	27	27	27	28	28	29	29	29	30	29	28	29	29
29	30	30	****	31	33	30	30	28	30	28	27	27	29	29	30	29	29	28	29	31	32	33	32	31	30
30	34	44	52	49	62	61	44	43	34	27	26	27	27	26	27	27	26	27	27	28	29	43	52	61	38
31	59	61	64	83	****	88	78	59	****	****	31	27	28	28	29	29	28	27	26	28	28	27	28	28	42
MEAN	33	34	35	34	34	36	34	31	28	27	27	27	27	27	27	27	27	26	27	27	29	30	31	32	29.9

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

Non-Methane Hydrocarbons Data

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION RIVER BEND

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	3	5	14	56	31	13	19	16	11	2	****	1	8	9	3	4	11	44	114	107	25	80	25.1
2	66	117	745	722	767	603	321	25	11	6	0	0	****	0	0	1	0	1	6	3	8	5	3	10	148.7
3	30	15	8	6	5	5	5	7	7	7	6	6	4	5	5	3	4	0	0	0	6	****	6	5	6.3
4	9	8	8	9	10	12	11	10	6	3	2	8	7	5	3	0	0	0	0	1	3	2	4	3	5.2
5	3	5	5	5	7	10	8	10	10	11	10	6	4	4	3	1	0	0	0	0	0	1	2	3	4.5
6	4	5	7	10	10	11	13	12	9	5	5	5	3	0	0	0	0	0	0	****	0	0	5	9	4.9
7	8	8	6	6	7	8	11	13	14	13	10	5	4	1	0	0	0	****	0	0	0	0	0	1	5.0
8	1	3	2	3	4	5	5	5	4	2	2	1	0	1	2	4	2	1	3	9	3	11	7	6	3.6
9	6	5	6	4	4	4	6	7	3	3	2	1	5	9	11	1	0	36	108	61	39	62	25	21	17.9
10	26	22	27	19	14	16	16	12	12	9	7	4	0	0	0	0	0	0	0	0	1	15	9	6	9.0
11	7	12	18	16	40	10	8	7	7	9	29	22	23	34	45	****	32	16	75	140	159	111	16	9	36.7
12	7	8	9	11	11	10	8	7	9	8	10	11	8	5	2	1	2	0	0	0	0	5	6	10	6.2
13	18	27	25	26	23	24	25	26	18	16	77	102	29	34	11	0	3	1	0	0	8	13	14	15	22.3
14	16	30	46	28	21	12	14	12	12	36	47	36	35	37	****	36	32	33	31	24	14	23	50	46	29.2
15	23	43	36	27	48	48	39	24	12	8	8	18	23	****	27	39	29	16	15	16	35	50	54	17	28.5
16	12	14	15	23	34	16	12	11	8	7	7	5	****	6	4	4	2	5	5	5	4	4	4	5	9.2
17	8	8	8	9	11	16	36	27	15	26	20	13	18	15	14	13	11	11	8	****	6	63	29	31	18.1
18	18	16	16	14	14	14	19	14	19	10	7	4	11	6	15	3	13	5	4	****	100	77	93	65	24.2
19	37	31	23	49	33	20	33	20	12	8	10	10	11	22	16	8	11	10	****	24	115	257	162	181	48.0
20	120	237	232	159	54	37	24	21	16	19	19	87	34	32	57	50	13	61	96	****	88	43	26	35	67.8
21	49	24	23	32	23	78	286	150	23	11	8	8	29	23	32	30	14	13	14	20	60	72	35	45	45.9
22	31	34	60	78	99	117	106	39	13	14	10	11	8	5	5	6	****	10	5	6	6	9	10	8	30.0
23	7	8	8	7	12	12	11	12	14	14	14	12	13	12	6	8	13	6	7	11	10	13	9	10	10.4
24	15	15	17	16	15	12	13	12	14	17	12	8	10	8	6	****	11	10	5	8	6	7	12	11	11.3
25	15	10	14	16	25	21	31	15	17	12	12	12	11	9	****	24	21	38	36	17	23	44	36	33	21.4
26	33	32	30	29	25	26	22	20	16	12	12	14	17	11	10	5	6	5	5	6	6	6	6	15	15.4
27	17	9	10	11	11	10	10	12	11	13	11	7	5	5	3	5	5	6	6	6	7	8	11	10	8.7
28	9	9	9	11	12	13	13	12	13	13	****	****	****	****	5	8	9	5	18	28	28	48	88	53	20.2
29	50	29	62	66	21	25	90	38	29	27	19	26	****	38	28	29	29	25	30	37	24	20	42	37	35.7
30	28	22	21	27	71	60	39	17	44	49	34	34	43	43	43	37	40	37	48	****	59	57	48	73	42.3
MEAN	22.4	26.9	50.0	48.1	48.2	43.7	42.2	20.3	13.9	13.5	14.5	16.5	14.2	13.3	12.9	11.6	10.5	12.2	18.5	18.6	31.1	39.1	27.9	28.4	25.2

PERCENTAGE OF DATA VALID 96.9

TOTAL MONTHLY SUM= 17605.00 TOTAL MONTHLY RECORD HOURS = 698.00

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION RIVER BEND

MONTH JUL 1984

HR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	64	71	125	168	55	29	29	34	88	287	117	57	33	25	28	26	29	50	94	125	****	47	40	22	71.4
2	15	18	17	24	22	27	49	31	24	19	12	6	5	2	2	6	8	10	6	5	6	8	8	9	14.1
3	10	14	14	20	21	30	31	25	18	12	10	14	11	7	4	4	2	0	****	4	10	13	19	18	13.5
4	18	19	18	14	14	16	19	17	13	11	9	7	6	6	5	35	39	14	****	16	8	9	14	17	15.0
5	19	16	16	20	26	29	31	30	26	55	87	44	13	17	12	****	11	9	11	18	20	14	17	22	24.5
6	23	17	107	****	****	****	****	****	****	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	8.6
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	2.6
8	18	16	12	13	12	12	15	12	8	2	2	0	0	0	0	****	0	0	0	38	9	5	0	7	5.3
9	3	0	0	0	0	7	6	0	6	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1.0

DATA MISSING

1																									
2																									
3																									
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	****
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.0
6	0	10	20	10	20	60	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	10	6	5.9
7	32	26	18	17	25	29	24	16	17	11	0	0	0	0	0	0	0	0	****	0	0	0	0	0	9.3
8	0	0	0	0	0	12	16	6	0	****	0	0	****	****	31	31	****	21	19	21	41	35	28	29	14.5
9	24	16	20	26	37	50	45	26	9	0	0	0	****	0	0	****	0	0	0	0	0	0	0	0	11.5
10	10	10	10	10	20	20	20	20	20	20	20	20	10	0	0	****	0	0	0	0	10	10	20	20	11.7
11	20	20	10	10	10	20	20	20	20	30	40	20	40	80	70	80	80	90	30	0	0	20	80	50	35.8
12	72	53	17	23	8	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	7.5
13	0	0	0	0	0	0	20	20	10	10	10	10	10	0	0	0	0	0	10	0	10	10	10	20	6.2
14	40	60	30	0	0	0	10	10	****	****	****	****	****	60	40	30	30	30	20	0	10	10	20	20	22.1
15	60	50	0	0	10	10	10	10	20	30	10	0	0	0	0	0	0	0	0	10	30	10	0	0	11.7
16	0	0	30	20	10	****	20	20	0	0	0	0	0	0	10	10	10	10	10	0	0	10	0	10	7.4
17	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****

DATA MISSING

DATA MISSING

1	****	****	****	****	****	****	****	****	****	****	10	10	0	0	0	0	****	10	10	0	20	10	10	10	6.9
2	10	10	10	10	20	20	30	30	30	40	30	40	10	0	0	0	0	0	0	10	10	10	30	20	15.4
AN	19.0	18.5	20.6	17.5	14.1	17.7	18.0	14.9	14.7	24.6	17.1	10.8	6.9	9.0	9.6	13.1	10.4	10.2	10.0	10.3	8.0	9.2	12.8	12.2	13.7

PERCENTAGE OF DATA VALID 70.8

TOTAL MONTHLY SUM= 7227.00 TOTAL MONTHLY RECORD HOURS = 527.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION LASALLE ROAD

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	31	35	9	26	6	2	0	0	0	0	20	23	17	13	16	16	16	23	20	40	30	47	16.3
2	57	27	27	81	41	49	79	14	14	0	0	0	0	0	0	0	****	0	0	7	0	0	6	14	18.1
3	35	31	21	20	16	13	10	14	13	9	9	6	7	5	0	****	0	6	0	9	15	27	23	20	13.4
4	24	23	39	37	18	22	21	43	56	9	4	9	12	9	****	6	0	0	8	6	31	11	8	6	17.5
5	12	4	0	0	7	9	8	14	24	7	0	0	0	****	8	5	6	6	4	6	7	3	4	0	5.8
6	0	0	7	24	11	9	23	18	9	7	8	10	8	****	16	14	0	0	5	0	0	0	0	0	7.3
7	15	10	0	0	0	0	9	7	17	13	11	8	****	5	0	0	8	6	6	0	0	0	0	5	5.2
8	7	0	6	5	0	0	5	18	16	0	15	15	36	24	24	30	18	15	21	8	21	24	24	24	14.8
9	20	18	14	6	6	6	14	8	9	8	15	9	****	22	23	9	6	19	17	23	12	22	36	55	16.4
10	54	21	21	14	12	13	8	10	18	17	15	12	6	8	9	13	8	1	17	****	46	44	50	26	19.3
11	6	0	0	6	6	14	12	10	7	8	10	12	10	14	11	14	6	8	28	****	38	46	25	7	13.0
12	6	10	9	9	7	7	6	5	6	6	8	8	7	6	7	6	8	7	****	5	6	8	9	13	7.3
13	34	46	30	40	39	60	52	43	39	32	33	25	8	13	13	8	13	****	13	12	10	14	51	47	29.3
14	62	23	21	15	18	26	47	21	19	7	7	10	10	12	13	11	8	9	****	10	10	20	16	9	17.6
15	17	7	20	8	15	10	6	4	0	0	5	5	6	9	1	5	5	****	4	0	9	28	13	11	8.2
16	6	11	11	16	15	0	6	6	5	0	0	5	0	6	5	5	****	0	6	9	7	5	7	6	6.0
17	7	7	8	8	8	8	14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19	63	61	73	40	40	246	256	34	****	46	20	15	14	****	17	14	15	15	14	14	30	35	23	31	50.7
20	33	29	29	22	16	17	17	18	15	16	22	23	17	****	28	27	23	22	22	27	36	31	27	35	24.0
21	40	43	45	52	52	51	57	18	10	11	11	12	****	16	16	16	15	14	13	12	19	49	38	30	27.8
22	23	18	18	16	15	17	16	12	13	14	14	13	14	14	14	3	4	4	3	40	****	16	13	5	13.9
23	4	3	4	5	5	8	6	9	10	8	6	6	7	9	7	8	12	5	****	8	****	****	****	****	****
24	DATA MISSING																								
25	****	****	****	****	****	****	****	****	****	****	10	9	9	12	7	6	8	10	****	6	4	8	8	30	9.7
26	5	9	9	8	6	13	43	21	18	24	5	8	13	10	10	8	0	****	17	8	5	4	5	4	11.0
27	0	8	6	6	6	8	7	9	9	26	12	9	9	11	7	14	11	19	9	16	32	46	19	13	13.0
28	26	6	33	38	8	20	64	37	38	13	6	4	6	5	5	5	****	10	7	5	5	12	4	6	15.8
29	12	0	20	33	39	29	9	3	3	6	7	8	6	5	5	5	****	5	5	8	8	8	8	4	10.3
30	3	4	4	2	4	10	6	2	9	8	6	6	9	11	11	****	12	8	16	15	19	15	18	22	9.6

MEAN 21.1 15.5 18.7 20.2 15.5 25.6 29.9 15.4 15.1 11.3 9.6 9.1 9.8 10.8 10.5 10.1 9.1 9.2 12.8 11.5 16.0 20.1 18.1 18.7 15.3

PERCENTAGE OF DATA VALID 86.9

TOTAL MONTHLY SUM= 9576.00 TOTAL MONTHLY RECORD HOURS = 626.00

STATION LASALLE ROAD

UNITS PPHM

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	6	14	0	0	10	0	5	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	
2	12	8	11	22	46	67	98	65	44	8	0	0	0	****	11	8	3	4	6	5	10	11	13	11	3.2
3	11	10	12	32	27	26	52	68	52	16	7	15	16	****	12	11	10	20	15	14	17	20	20	45	20.1
4	38	29	20	33	26	14	22	21	15	25	27	12	9	****	11	13	9	5	2	5	0	7	13	15	23.0
5	14	32	10	12	24	70	36	72	96	53	29	15	17	20	29	32	17	15	18	29	20	13	20	28	16.1
6	16	0	13	23	16	0	28	34	13	6	6	0	0	0	0	0	0	6	0	****	14	5	15	7	30.0
7	0	0	0	10	0	12	8	0	0	0	0	0	0	0	0	0	0	0	0	****	13	13	25	26	8.8
8	25	19	30	37	42	39	49	108	53	29	21	15	9	10	10	9	4	9	9	****	9	8	10	9	4.7
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	****	0	0	0	0	****	24.5
10	****	****	****	****	****	****	****	****	****	16	8	5	4	0	5	5	0	****	5	14	0	0	0	0	0.4
11	7	6	33	7	0	0	11	0	23	19	8	11	6	0	16	14	****	0	0	5	0	20	31	38	4.4
12	65	49	27	19	13	13	16	37	22	11	10	11	12	10	11	****	15	26	22	17	54	63	53	57	11.1
13	49	54	117	93	82	69	104	61	60	12	11	12	13	11	****	0	0	0	0	0	0	0	0	6	27.5
14	10	17	34	21	19	26	55	42	26	23	7	0	0	5	6	0	0	0	0	7	0	0	0	0	32.8
15	0	0	5	8	5	10	11	15	14	7	9	8	0	0	0	8	9	9	0	10	0	7	36	48	9.1
16	0	0	71	11	0	0	0	12	0	0	0	0	****	7	0	0	12	8	0	23	28	14	22	31	10.4
17	18	18	29	27	55	24	17	10	8	12	11	3	****	6	0	0	0	0	0	0	8	20	13	38	13.8
18	48	34	59	118	51	15	37	26	18	21	14	18	13	13	8	11	10	10	12	12	13	13	14	16	25.2
19	42	42	27	28	27	46	84	68	23	23	6	8	9	9	9	9	9	9	7	7	12	16	9	13	22.6
20	19	23	13	15	15	17	19	29	28	19	17	13	10	8	7	8	7	****	9	15	14	21	21	19	15.9
21	24	16	15	17	25	47	48	43	45	34	49	46	25	23	18	13	10	6	9	4	6	9	18	22	23.8
22	38	40	32	26	37	70	45	37	31	14	11	9	9	8	7	9	6	5	6	6	7	8	9	12	20.1
23	17	8	7	9	12	10	20	35	31	20	16	16	15	15	****	17	9	23	13	27	24	16	18	24	17.5
24	22	14	14	12	39	33	31	45	33	11	13	10	20	14	13	13	8	7	6	6	6	5	5	5	16.0
25	8	10	8	19	37	75	71	40	16	17	27	22	0	0	5	5	4	4	5	6	7	7	6	****	17.3
26	10	2	13	8	21	11	9	6	8	8	7	8	8	****	8	6	8	6	7	5	5	5	6	5	7.8
27	21	31	51	117	82	54	37	14	10	5	6	6	****	9	7	10	11	8	11	13	18	20	17	19	25.1
28	16	10	8	6	14	26	56	19	9	9	9	7	****	8	7	6	6	6	7	7	8	17	18	25	13.2
29	31	54	73	38	37	40	29	8	6	6	8	8	****	11	9	7	6	5	5	6	6	11	18	14	19.0
30	14	20	33	31	52	29	31	96	111	16	18	11	****	9	7	7	5	6	6	****	6	9	9	9	24.3
31	9	9	17	12	11	12	14	20	22	18	10	7	9	13	10	****	10	10	9	10	13	10	12	19	12.4
MEAN	19.8	18.7	26.5	27.0	27.2	28.8	34.6	34.5	27.2	14.8	11.8	9.5	8.2	7.7	8.1	7.6	6.3	7.4	6.3	9.4	10.3	11.9	14.8	20.1	16.7

PERCENTAGE OF DATA VALID 95.4

TOTAL MONTHLY SUM= 11885.00 TOTAL MONTHLY RECORD HOURS = 710.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION SIXTH LINE

MONTH JUN 1984

HOOR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	13	16	16	18	24	29	24	29	20	17	15	14	15	18	19	15	16	16	15	31	23	17	35	19.5
2	47	30	54	44	27	65	47	18	16	15	12	12	12	12	12	12	12	****	13	13	14	12	12	17	23.0
3	19	19	16	13	13	12	13	15	14	12	12	12	11	11	12	12	****	12	11	12	12	15	16	16	13.5
4	19	22	20	21	20	21	14	12	17	12	15	24	20	19	15	****	13	13	15	15	16	17	17	15	17.0
5	16	15	14	16	18	20	19	20	18	18	18	17	17	18	****	17	16	16	16	16	16	15	14	15	16.7
6	16	16	18	19	20	22	22	23	22	20	20	21	19	20	****	14	12	11	11	11	11	11	15	19	17.1
7	18	15	13	12	12	13	15	18	19	19	18	15	14	****	14	13	12	12	13	12	12	11	12	11	14.0
8	12	11	11	12	13	13	13	13	13	13	13	13	13	****	24	24	25	24	24	22	23	24	25	25	17.5
9	25	24	23	23	23	23	24	24	25	23	22	23	23	****	25	25	23	61	55	47	31	43	51	39	30.7
10	39	44	39	29	27	28	26	25	25	25	24	22	****	22	21	22	23	22	21	22	23	28	29	22	26.4
11	0	0	0	0	0	0	0	0	6	12	21	18	18	33	18	15	0	0	0	0	****	0	0	0	6.1
12	7	13	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	13	12	14	3.7
13	30	26	27	22	20	21	9	5	5	12	1	39	16	10	9	10	8	8	****	8	12	14	18	23	15.3
14	25	22	40	40	25	50	0	0	0	8	20	10	10	****	****	8	8	7	11	****	19	32	25	14	17.8
15	24	2	26	5	7	3	4	0	0	0	0	0	0	7	10	6	1	0	****	0	2	5	4	5	4.8
16	9	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0.8
17	0	0	0	0	8	8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	****	0	0	0	9	12	8	9	30	****
19	39	18	19	38	34	12	14	14	11	22	21	12	5	10	****	1	1	1	0	0	12	15	10	25	14.5
20	24	24	12	9	4	5	21	3	2	1	1	6	3	3	****	7	1	3	36	34	15	9	1	11	10.2
21	17	32	69	110	118	183	76	18	3	1	1	0	0	****	3	2	1	2	1	1	13	22	18	13	30.6
22	11	8	9	35	45	36	9	3	3	4	3	1	****	1	1	0	0	0	0	0	3	0	0	0	7.5
23	0	0	0	0	0	0	0	0	5	5	6	6	6	6	3	6	5	0	0	****	0	0	0	0	2.1
24	3	8	9	6	6	5	4	3	2	2	1	1	1	0	0	0	0	0	0	****	0	0	6	7	2.8
25	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	6	12	22	3	****	0	13	8	0	3.2
26	0	0	0	0	6	6	9	7	6	9	0	7	8	5	0	0	0	0	****	0	0	0	0	0	2.7
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
28	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7
29	13	0	6	8	31	65	19	0	0	9	22	16	21	13	8	12	5	****	6	0	0	7	8	12	11.9
30	0	0	0	0	5	13	5	0	0	60	16	27	14	41	35	31	19	6	4	7	7	27	42	8	15.3
MEAN	14.7	12.6	16.1	16.9	17.2	22.3	14.0	9.1	8.6	11.5	10.1	11.3	9.4	10.7	9.5	9.7	7.6	9.4	9.8	10.2	10.8	12.6	12.7	13.2	12.2

PERCENTAGE OF DATA VALID 91.7

TOTAL MONTHLY SUM= 8052.00 TOTAL MONTHLY RECORD HOURS = 660.00

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION SCOTT ROAD

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	214	185	86	68	65	77	276	222	163	****	125	104	75	75	109	131	87	97	104	78	66	62	80	109	115.6
2	129	148	148	218	198	357	532	186	64	42	36	38	38	****	43	40	39	38	35	37	36	36	68	77	112.3
3	101	112	69	61	66	73	71	55	59	54	55	51	****	56	59	52	53	52	56	91	97	91	147	139	74.8
4	154	147	161	157	189	180	162	170	123	74	56	50	63	****	45	40	32	40	40	52	****	57	58	57	95.8
5	51	36	39	49	50	30	30	70	70	10	10	10	10	20	20	20	10	****	10	10	10	10	20	26.3	
6	20	10	10	30	30	20	40	10	10	41	35	33	38	31	37	76	11	11	8	3	****	7	9	26	23.7
7	19	39	14	21	20	16	19	28	50	39	42	31	34	18	21	21	16	18	****	27	29	31	32	32	26.8
8	27	25	16	19	14	7	14	14	12	12	14	19	24	37	188	66	54	102	78	49	75	63	52	55	43.2
9	60	85	67	78	66	82	78	46	49	40	37	26	50	42	53	42	24	37	****	35	26	39	30	63	50.2
10	75	84	65	61	47	47	49	25	23	26	32	36	32	34	36	44	****	110	86	122	117	188	167	122	70.8
11	91	62	38	45	41	31	12	7	8	11	28	27	32	30	19	27	****	32	26	49	94	120	44	27	39.2
12	26	22	25	21	19	23	19	23	34	28	44	56	105	234	273	****	284	66	34	14	14	20	40	50	64.1
13	66	97	120	86	129	94	124	95	54	59	48	49	78	69	****	217	137	112	126	97	114	75	168	197	104.8
14	110	48	51	48	56	57	45	48	50	37	43	30	23	20	16	****	29	32	28	30	44	33	21	10	39.5
15	53	45	6	42	7	5	13	25	16	31	22	25	27	23	****	11	6	21	22	53	25	92	148	44	33.1
16	14	15	17	17	10	0	12	6	0	2	9	20	16	****	31	36	45	45	29	17	9	3	5	0	15.6
17	0	1	2	1	3	45	22	64	33	108	38	16	****	19	17	12	10	10	10	9	6	103	94	99	31.4
18	89	44	56	127	102	105	99	113	70	83	63	72	88	68	47	57	47	31	34	34	****	150	83	198	80.9
19	221	121	207	176	115	248	93	45	43	0	21	130	117	74	25	25	28	25	25	****	22	17	14	16	78.6
20	9	16	33	36	28	21	33	23	21	29	16	20	23	26	26	13	25	16	17	17	****	25	34	97	26.3
21	60	44	69	89	91	104	44	32	53	3	11	53	101	39	39	38	32	****	20	47	31	48	65	226	58.2
22	357	255	521	237	222	540	617	131	12	15	10	5	4	6	12	7	9	****	11	13	19	33	25	14	133.7
23	10	9	11	9	19	17	10	9	10	21	16	16	19	19	28	****	25	23	16	22	108	27	23	43	22.2
24	92	102	129	130	120	101	104	106	101	83	91	97	99	84	74	80	****	80	72	78	106	101	64	79	94.5
25	84	98	94	93	109	82	99	82	88	65	****	31	26	15	17	****	12	20	11	15	20	53	77	204	63.4
26	163	15	18	17	11	42	45	58	114	43	20	22	15	19	****	14	11	9	10	9	6	3	4	29.4	
27	1	9	28	11	16	9	8	11	116	38	64	155	41	62	55	81	77	61	83	69	56	80	64	58	52.2
28	86	83	102	100	61	89	110	85	34	43	380	104	157	****	36	11	7	10	19	29	88	43	0	4	73.1
29	16	12	42	38	14	0	0	0	0	****	20	0	0	****	20	10	20	10	10	10	20	10	10	0	11.9
30	0	10	10	0	0	0	0	10	10	10	10	10	****	10	10	10	10	0	0	10	0	10	0	0	5.7

MEAN 79.9 66.0 75.1 69.5 63.9 83.4 92.7 60.0 49.7 37.4 48.1 44.5 49.4 45.2 50.2 45.4 42.2 41.0 36.4 38.8 47.7 54.4 54.5 69.0 -38.6

PERCENTAGE OF DATA VALID 95.7

TOTAL MONTHLY SUM= -26577.00 TOTAL MONTHLY RECORD HOURS = 689.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION SCOTT ROAD

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	10	10	20	40	40	40	30	10	20	20	20	10	10	10	20	20	10	20	10	20	****	60	180	28
2	180	220	230	270	300	550	230	170	110	30	30	10	20	30	30	40	10	10	10	20	20	20	30	30	108
3	20	30	30	90	100	280	150	130	110	90	****	40	40	30	40	40	40	40	40	****	40	50	60	100	72
4	100	80	60	100	90	80	90	10	60	82	74	36	24	25	60	127	242	174	242	****	13	8	68	45	82
5	71	57	67	122	117	181	138	138	82	53	63	60	49	43	34	42	****	34	36	47	83	44	44	50	72
6	56	37	63	65	36	24	20	93	21	25	22	58	70	32	39	60	****	43	45	17	22	89	51	26	44
7	41	29	19	50	48	50	58	35	44	28	37	19	14	10	29	22	****	25	33	58	116	61	226	160	52
8	186	341	206	81	196	134	179	220	80	19	19	17	6	10	10	7	****	6	6	9	6	4	4	4	76
9	13	8	11	6	1	3	6	39	18	20	14	21	17	24	16	****	****	****	****	****	****	****	****	****	14
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	14
11	29	66	105	51	95	71	104	106	109	****	70	50	21	****	26	11	12	25	31	44	68	65	96	140	63
12	11	111	76	50	87	39	77	83	73	54	29	21	****	40	40	25	31	34	133	53	72	186	153	97	68
13	80	90	80	70	80	60	60	140	120	****	50	76	****	33	29	25	26	19	18	13	0	0	0	1	48
14	33	15	31	74	101	67	49	26	74	48	30	30	30	28	43	46	****	56	50	41	54	40	30	30	44
15	10	10	10	11	10	13	13	20	32	6	18	62	64	65	82	82	82	****	110	145	102	125	137	106	57
16	72	76	115	107	90	92	106	73	97	****	79	65	86	75	68	42	45	****	35	44	65	131	241	113	87
17	67	114	77	76	143	100	89	58	47	87	81	42	43	42	34	40	112	59	38	****	83	60	107	131	75
18	143	111	175	161	159	86	61	75	99	30	45	16	21	23	27	19	24	****	20	44	70	161	110	77	76
19	173	241	211	124	166	203	185	199	116	73	68	33	36	40	322	32	****	21	22	22	34	11	27	32	104
20	39	37	37	55	59	43	43	61	54	60	45	41	27	20	16	13	****	16	14	20	23	33	94	119	42
21	38	47	50	63	48	18	91	9	7	17	30	30	16	19	****	13	10	12	22	68	153	157	37	84	45
22	184	99	219	125	124	186	229	101	139	20	20	16	16	12	19	****	18	15	14	14	20	16	23	38	72
23	44	39	31	38	39	41	41	70	64	****	13	17	20	****	25	34	40	43	14	2	46	26	44	30	34
24	20	20	40	20	20	20	20	20	20	40	20	20	****	****	****	****	****	****	****	****	****	****	****	****	23
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	****	****	****	****	51	****	69	28	10
26	6	20	27	30	23	36	8	16	32	30	31	72	52	113	91	99	463	277	81	30	****	30	40	80	73
27	140	120	20	10	10	10	10	10	10	10	20	30	20	40	40	30	20	20	20	20	20	20	20	20	28
28	10	10	10	10	10	20	20	60	30	20	20	20	10	30	20	20	10	10	10	10	10	90	40	80	24
29	140	100	30	20	60	150	150	30	50	40	20	20	20	20	20	20	20	40	40	50	80	50	100	100	57
30	90	50	100	100	160	140	200	320	250	70	50	30	20	30	10	20	20	****	20	40	20	20	40	40	79
31	40	60	70	50	60	60	110	140	50	70	70	55	53	65	****	57	58	52	65	60	41	30	29	55	60
MEAN	70.9	77.5	76.2	70.7	85.2	96.4	88.9	85.6	69.2	41.7	38.9	35.4	31.0	35.0	43.7	37.9	65.2	45.3	44.0	37.3	52.0	60.5	66.4	68.6	59

PERCENTAGE OF DATA VALID 88.2

TOTAL MONTHLY SUM= -26123.00 TOTAL MONTHLY RECORD HOURS = 656.00

POLLUTANT NON-METHANE HYDROCARBON

UNITS PPHM

STATION SIXTH LINE

MONTH JUL 1984

UR Y	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	3	5	6	48	50	52	24	30	61	14	11	5	10	16	****	9	3	3	11	1	3	7	19	17.5
2	14	10	11	10	9	9	27	28	4	2	2	1	1	3	****	5	7	3	2	6	4	2	0	0	7.0
3	1	1	2	5	9	19	23	12	7	34	8	10	10	6	****	4	3	5	14	6	7	6	8	20	9.6
4	15	7	5	8	7	8	6	6	4	0	0	0	0	0	****	11	0	0	0	0	0	0	0	0	3.3
5	5	5	0	0	9	16	22	15	18	32	42	16	****	11	8	0	5	0	0	8	6	0	7	8	10.1
6	5	0	0	12	8	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	1.3
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	6	7	8	0.9
8	7	7	11	8	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	2.3
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	****	0.0
0	****	****	****	****	****	****	****	****	****	9	6	0	0	0	0	0	0	5	****	31	7	0	6	0	4.6
1	0	0	0	0	0	0	0	0	0	0	10	32	33	19	0	0	0	****	0	0	5	0	0	0	4.3
2	0	0	0	0	8	9	8	5	0	0	5	6	0	0	0	0	****	29	24	15	26	43	18	23	9.5
3	38	17	14	29	21	25	18	16	8	0	0	0	0	0	6	6	0	0	0	0	0	5	10	0	8.9
4	11	9	8	7	8	11	31	3	23	18	8	6	8	****	8	6	5	0	0	0	0	0	0	0	7.4
5	0	0	7	8	8	9	12	12	11	9	8	7	****	6	5	5	5	3	1	2	1	1	1	3	5.4
6	3	8	6	3	2	2	2	0	0	0	0	0	14	0	0	0	0	0	0	0	0	12	14	32	4.1
7	28	12	8	9	16	11	13	13	10	7	8	0	0	****	0	0	0	0	0	0	0	0	0	0	5.9
8	0	0	0	0	0	0	0	0	0	0	0	0	****	11	14	19	15	12	7	5	8	10	8	8	5.1
9	7	9	10	10	17	38	35	16	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	6.2
10	0	0	0	0	7	9	10	12	13	14	13	88	6	0	0	0	0	0	****	0	0	6	8	8	8.4
11	7	8	7	6	6	7	11	14	26	22	15	10	13	45	15	18	****	19	1	0	0	0	17	29	12.9
12	27	14	20	23	19	35	24	11	6	0	0	7	2	0	0	0	0	****	0	0	0	0	0	0	8.2
13	0	0	0	0	0	5	10	14	17	17	13	9	28	9	7	****	7	5	0	0	5	0	0	20	7.2
14	5	7	19	30	0	0	0	0	7	0	21	14	31	24	****	9	5	6	0	0	0	0	0	0	7.7
15	0	17	6	0	0	0	5	22	37	34	5	0	2	2	1	0	0	0	0	0	0	0	0	0	5.5
16	5	7	6	7	10	14	10	20	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	7	3.7
17	0	23	11	3	0	0	8	25	37	11	0	0	0	****	8	5	0	0	0	0	10	0	12	26	7.8
18	31	26	26	0	8	0	10	50	28	10	6	5	0	****	5	0	0	0	0	0	0	8	17	23	11.0
19	14	0	21	80	55	69	60	13	0	5	11	10	11	****	12	8	0	0	0	0	0	0	0	7	16.3
20	0	8	14	13	12	26	30	22	7	9	0	0	****	0	0	0	0	0	0	0	0	0	0	0	6.1
21	0	0	8	13	16	13	18	16	6	9	0	0	0	6	0	0	****	0	0	0	0	0	0	0	4.6
MEAN	7.8	6.6	7.5	9.7	10.3	13.1	15.1	12.3	10.0	9.8	6.3	7.7	6.1	5.8	4.0	3.3	2.2	3.1	1.9	2.8	2.8	3.1	4.4	8.4	6.9

89

PERCENTAGE OF DATA VALID 95.0

TOTAL MONTHLY SUM= 4874.00 TOTAL MONTHLY RECORD HOURS = 707.00

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008

457 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	15	13	13	19	15	12	9	9	9	****	8	8	8	8	8	7	8	8	8	9	9	9	11	10
2	11	8	8	8	8	8	10	8	9	7	7	7	7	7	7	7	7	6	7	7	7	8	10	9	8
3	8	7	6	6	6	7	6	6	6	6	5	6	6	6	6	6	6	6	6	8	9	9	9	10	7
4	14	14	12	12	14	25	21	22	16	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	11
5	7	7	7	6	7	7	8	4	7	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6	8	7	9	8	8	9	8	8	4	8	7	7	8	8	7	7	7	7	7	7	7	7	7	7	8
7	7	7	7	7	7	9	8	8	7	7	7	7	7	6	7	7	6	6	6	6	7	7	7	7	7
8	6	6	6	6	6	7	7	7	****	****	9	8	8	8	8	8	9	8	8	8	8	8	8	8	7
9	9	9	8	9	10	9	9	10	8	9	8	8	8	8	8	8	8	8	8	9	10	10	10	10	9
10	10	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10	10	8
11	8	7	7	7	7	7	8	8	8	8	8	8	8	****	****	6	6	6	5	5	5	5	5	5	7
12	6	6	6	6	7	6	7	6	6	6	5	5	6	7	7	6	6	6	6	6	8	8	8	8	7
13	6	6	6	5	9	10	11	12	10	9	7	5	6	6	5	****	****	8	7	7	10	9	8	10	8
14	11	7	7	7	6	6	7	8	****	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6
15	6	6	6	6	7	6	6	6	6	6	5	6	6	7	6	6	6	6	6	6	6	6	6	6	6
16	7	5	5	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	5
17	7	8	7	7	8	8	8	8	7	7	7	7	5	9	9	7	6	7	9	9	8	8	8	8	8
18	6	6	7	7	7	8	8	8	8	7	7	7	7	7	7	9	7	8	7	6	7	8	8	8	7
19	8	8	8	9	10	8	9	10	7	7	7	7	7	7	7	7	7	8	7	6	7	8	8	8	7
20	7	7	7	7	8	8	8	7	7	7	7	6	6	6	6	6	5	6	7	7	7	7	7	7	8
21	8	8	9	9	9	9	9	8	8	7	7	7	7	6	6	6	6	6	6	6	7	8	7	7	7
22	8	7	8	8	10	10	8	7	7	7	5	****	****	****	6	6	5	6	6	6	7	8	7	7	7
23	6	6	6	6	6	6	6	7	7	7	5	5	6	5	5	5	6	6	6	6	6	6	6	6	7
24	10	7	6	6	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	10	6
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	3	3	4	5	5	4	2
26	5	6	9	8	8	9	7	8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5
27	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
28	4	5	4	3	4	5	5	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
29	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
30	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	****	****	2	2	2	2	2	2	3
MEAN	7	7	7	7	7	8	7	7	6	6	5	5	6	6	6	6	5	6	6	6	6	7	7	7	6.4

90

PERCENTAGE OF DATA VALID - 97.1

PERCENTAGE OF DATA INVALID - 2.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - REACTIVE HYDROCARBONS (NON-METHANE)

UNITS - 0.1 PARTS/MILLION

STATION - SW NO 12008 457 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOJR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	7	7	9	3
2	10	11	12	7	8	9	6	9	4	3	3	3	3	3	3	3	3	3	4	4	3	5	7	6	5
3	4	3	5	4	5	7	11	5	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
4	2	2	2	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3
5	4	4	4	3	3	4	4	5	5	5	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4
6	4	3	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	6	3	10	3
8	14	10	6	5	5	5	4	4	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
9	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	4	2	3	4	4	6	7	2	2	2	2	2	2	3	3	2	3	2	3	3	2	2	2	3
11	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	4	2
12	3	2	2	3	4	4	4	3	3	3	3	3	2	2	2	****	****	2	2	2	3	4	6	10	3
13	12	10	9	8	10	11	10	8	4	3	2	2	2	2	2	2	2	2	2	3	4	3	3	3	5
14	3	4	5	7	8	7	6	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
15	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	3	2	2	2	2	****	-	-	-	-	-	****	3	3	3	-	-	-	-	-	-	-	-	-	*****
17	-	-	-	-	-	-	-	-	-	****	****	****	3	3	3	4	4	4	4	4	4	4	4	4	*****
18	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9	8	5	4
19	4	5	7	9	8	10	9	8	5	4	3	4	4	4	3	4	4	4	4	4	4	3	5	4	5
20	5	5	5	4	4	5	5	5	4	4	****	3	3	3	3	3	3	3	3	3	4	4	4	4	4
21	4	4	4	4	4	4	4	5	4	4	4	3	3	3	3	3	4	4	3	4	5	5	5	6	4
22	5	4	4	8	10	11	6	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	4
23	4	4	5	5	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4
24	4	3	3	3	4	4	4	5	****	4	3	3	4	3	3	3	3	3	3	3	4	4	3	3	3
25	3	3	3	3	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	4	4	4	6	7	7	7	7	6	4	5	4	4	5	4	5	4	4	4	4	4	6	4	4	5
27	3	3	3	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	3
29	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	7	10	4
30	9	9	9	10	8	9	12	7	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	5
31	3	4	3	3	4	5	7	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	5	4
MEAN	4	4	4	4	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	5	3.7

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2% VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

SARNIA AIR POLLUTION SURVEY

POLLUTANT ETHYLENE

UNITS PPHM

STATION RIVER BEND

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	0	1	2	4	0	****	0	0	0	0	0	0	2	7	6	2	3	1.2
2	2	3	2	2	4	9	18	6	6	4	1	1	****	0	0	0	0	1	1	1	5	4	0	0	3.0
3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0.0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
5	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0.0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
10	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	2	2	0	0	0.6
																									0.1
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	****	1	1	2	4	5	10	5	3	1.5
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13	0	0	0	0	0	0	0	0	0	0	1	4	2	2	0	0	0	0	0	0	0	0	0	0	0.4
14	0	0	1	0	0	0	0	0	0	1	2	1	1	1	****	0	1	0	0	0	0	0	0	0	0.3
15	0	1	0	1	3	3	2	1	1	0	0	0	1	****	1	2	1	1	0	0	0	0	0	0	0.3
16	1	3	1	1	2	0	0	0	0	0	0	0	****	0	0	0	0	0	0	2	1	4	24	3	2.3
17	1	0	0	0	0	5	2	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.3
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	1	2	2	0	0.7
19	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	****	8	5	4	1	0	0.8
20	8	7	4	9	4	1	0	1	1	1	1	5	1	1	3	3	1	3	****	0	4	4	10	11	1.6
																									3.0
21	4	0	0	0	0	0	13	8	1	0	0	0	1	1	1	0	0	0	0	0	1	2	3	11	1.9
22	3	13	39	7	4	4	36	9	****	****	0	0	0	0	0	0	****	0	0	0	0	1	0	0	5.5
23	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	1	1	1	5	1	0	0.5
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	1	2	0	0	0	0	1	0	2	0.3
26	12	8	7	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1.8
27	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
28	0	0	0	0	0	0	0	0	0	0	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0.2
29	4	1	4	3	0	0	32	13	0	0	0	0	****	0	0	0	0	0	0	6	10	1	9	7	1.6
30	0	0	0	1	5	2	1	0	1	2	1	0	1	1	1	1	1	1	2	****	1	0	1	2	2.5
MEAN	1.4	1.2	2.0	1.1	0.9	0.9	3.5	1.3	0.4	0.5	0.5	0.4	0.4	0.2	0.3	0.2	0.3	0.3	0.5	0.8	1.6	1.7	2.1	1.8	1.0

PERCENTAGE OF DATA VALID 96.7

TOTAL MONTHLY SUM= 722.00 TOTAL MONTHLY RECORD HOURS = 696.00

SARITA AIR POLLUTION SURVEY

POLLUTANT ETHYLENE

UNITS PPHM

STATION RIVER BEND

MONTH JUL 1964

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	6	9	0	0	0	0	17	45	25	5	2	1	2	5	5	6	12	18	****	19	3	9	7.5
2	0	0	0	0	0	0	26	6	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1.5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	****	2	1	0	0	0	0.0
5	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	****	0	0	0	0	0	0	0	0	0.0
6	0	0	3	****	****	****	****	****	****	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	1	0	0	0	0	0.0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
10															0	****	0	0	0	0	0	0	0	****	0.0
DATA MISSING																									
11																									
12																									
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	****	0	0	0	0	****
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	****
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.0
18	0	0	0	0	0	0	0	0	0	****	0	0	****	****	2	1	****	0	0	0	0	0	0	0	0.0
19	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	****	0	0	0	0	0	0	0	0	0.2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
21	0	0	0	0	0	0	0	0	1	1	1	5	6	5	5	5	3	4	1	0	1	10	0	0	2.0
22	14	18	15	13	3	1	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	2.6
23	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
24	0	0	0	0	0	0	0	0	****	****	****	****	****	5	3	3	1	1	1	0	0	0	5	1	1.1
25	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	2	0	0	1.2
26	0	0	2	1	1	****	8	3	0	0	0	0	0	0	2	5	2	1	2	****	0	2	0	1	1.4
27	0	0	0	0	0	0	0	0	0	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28																									****
29																									****
30	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	****	1	1	0	5	3	0	0	0.9
31	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
MEAN	0.7	0.9	1.1	1.0	0.2	0.1	1.6	0.4	0.8	2.3	1.3	0.6	0.4	0.5	0.7	1.1	0.8	0.7	0.9	0.9	1.1	1.1	0.3	0.1	0.9

PERCENTAGE OF DATA VALID 74.1

TOTAL MONTHLY SUM= 448.00 TOTAL MONTHLY RECORD HOURS = 551.00

MINI-MAX POLLUTION SURVEY

POLLUTANT ETHYLENE

UNITS PPHM

STATION LASALLE ROAD

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	2	5	0	1	2	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0.7
2	1	0	2	44	6	3	1	1	1	0	0	1	0	0	0	0	****	0	0	1	0	0	2	3	2.9
3	3	2	2	2	2	3	2	1	1	1	1	1	1	1	0	****	0	1	1	2	4	8	6	9	2.3
4	7	9	16	14	5	8	4	7	0	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	3.1
5	0	0	0	0	0	0	0	1	7	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.3
6	0	0	1	3	1	1	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.3
7	0	0	0	0	0	0	1	0	2	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.2
8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	0	1	2	0	1	0	1	0.4
9	0	0	0	0	1	2	1	1	2	0	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0.3
10	0	0	0	2	1	0	0	1	2	1	0	0	0	0	0	0	1	2	5	****	29	1	10	0	2.4
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0.0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.1
13	4	1	1	2	17	32	22	8	2	1	0	0	0	0	1	0	1	****	2	1	1	1	27	11	5.9
14	11	1	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.8
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0.0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.0
17	0	0	0	0	0	0	5	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19	3	5	5	3	2	44	35	1	****	6	0	0	0	****	0	0	0	1	3	0	0	0	0	0	****
20	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	4.7
21	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0.0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	****	****	****	****	0.0
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	0	0	0	0	0	6	21	7	2	2	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.0
27	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1.7
28	3	0	19	1	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	1.2
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0
MEAN	1.2	0.7	1.8	2.8	1.3	3.8	3.7	1.3	0.8	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.2	1.3	0.4	1.7	1.0	1.0

DATA MISSING

PERCENTAGE OF DATA VALID 86.9

TOTAL MONTHLY SUM= 638.00 TOTAL MONTHLY RECORD HOURS = 626.00

POLLUTANT ETHYLENE

UNITS PPHM

STATION LASALLE ROAD

MONTH JUL 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	2	7	0.4
2	1	1	1	1	7	13	15	10	13	2	0	0	0	****	0	0	0	0	0	1	0	0	0	0	2.8
3	0	1	2	5	2	4	17	20	13	4	0	0	0	****	0	0	0	0	6	1	2	0	3	20	2.7
4	10	3	0	11	2	2	4	1	0	1	0	0	0	****	0	0	0	0	0	0	0	0	2	6	1.8
5	5	124	1	3	5	53	14	14	6	1	0	1	0	0	1	3	1	1	2	12	1	0	10	5	6.8
6	4	0	1	2	3	1	3	3	1	1	1	0	0	0	0	0	0	0	0	****	1	1	0	0	1.0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	****	1	1	3	5	0.5
8	6	17	12	14	6	5	1	0	1	1	1	0	0	0	0	0	0	0	0	****	0	0	0	0	2.8
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	****	0	0.0
10	****	****	****	****	****	****	****	****	****	1	0	0	0	0	1	0	0	****	0	0	0	0	0	0	0.1
11	0	0	3	1	4	1	1	2	4	1	0	0	0	0	1	1	****	0	0	0	0	0	3	3	1.1
12	4	4	1	0	0	0	0	0	2	1	0	0	0	0	0	****	0	0	1	2	1	1	0	0	0.7
13	0	2	12	12	14	13	18	6	2	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	3.5
14	1	3	4	5	4	3	4	3	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4
15	0	0	0	0	0	2	1	2	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	14	1.2
16	1	2	4	0	0	0	0	0	0	0	0	0	****	1	0	0	4	0	0	0	1	4	6	11	1.5
17	5	2	2	1	4	2	2	1	0	1	0	0	****	0	0	0	0	0	1	0	1	4	1	3	1.3
18	1	1	0	0	0	0	0	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	2	0.5
19	15	17	7	10	5	15	24	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	4.1
20	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	****	0	4	0	0	2	2	2	0.5
21	1	1	0	1	4	27	31	3	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3.3
22	0	0	0	0	8	40	18	12	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
23	0	0	0	0	3	0	2	0	0	0	0	0	0	0	****	0	0	0	0	0	0	1	1	1	0.3
24	0	0	0	0	3	4	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7
25	0	0	0	1	3	6	6	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	****	0.9
26	0	0	0	0	1	0	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.1
27	0	1	1	5	6	4	3	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.9
28	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	1	0	0.1
29	6	6	9	2	3	3	2	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1.3
30	0	3	12	9	10	9	7	19	7	0	0	0	****	0	0	0	0	0	0	****	0	0	0	0	3.5
31	0	0	0	0	0	0	0	4	5	2	0	0	0	0	0	****	0	0	0	0	3	1	2	5	1.0
MEAN	2.0	2.9	2.4	2.8	3.2	6.9	6.0	3.5	2.3	0.8	0.2	0.1	0.0	0.1	0.3	0.1	0.2	0.2	0.4	0.7	0.4	0.6	1.2	3.2	1.7

PERCENTAGE OF DATA VALID 95.4

TOTAL MONTHLY SUM= 1217.00 TOTAL MONTHLY RECORD HOURS = 710.00

SARNIA AIR POLLUTION SURVEY

POLLUTANT ETHYLENE

UNITS PPHM

STATION SIXTH LINE

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	2	2	1	3	2	0	0	0	0	0	0	0	0	0	0	2	2	0	5	0.8
2	3	0	9	6	3	9	5	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	3	1.7
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.0
4	0	0	0	0	0	0	7	15	6	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1.2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.0
7	1	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	11	2	2	1	4	8	1	1.3
10	1	2	1	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.2
11	0	0	0	0	0	0	0	0	2	4	6	4	2	5	1	1	0	0	0	0	****	0	0	0	1.1
12	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	1	1	1	1	0.3
13	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	****	0	2	0	0	0	1.0
14	0	0	10	24	6	0	0	0	0	0	3	0	1	****	****	0	0	1	6	****	5	9	5	0	3.3
15	5	0	5	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	****	0	0	0	0	0	0.6
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0.0
17	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	****	0	0	0	0	0	0	0	2	****
19	0	0	0	1	1	0	0	0	1	3	2	5	0	0	****	0	0	0	0	0	1	1	0	2	0.7
20	1	2	1	0	0	0	4	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.4
21	0	7	6	8	8	15	8	2	0	0	0	0	0	****	0	0	0	0	0	0	1	2	0	0	2.5
22	0	0	0	8	28	18	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	2.4
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	3	0	0	0.1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	0	****	0	3	3	0	0.7
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1	0.0
29	3	0	2	0	7	8	3	0	0	2	3	2	4	3	0	4	0	****	0	0	11	0	0	4	2.4
30	0	0	0	0	0	1	0	0	0	4	8	11	3	19	21	16	8	2	0	1	4	19	27	3	6.1
MEAN	0.6	0.4	1.2	1.7	1.9	1.9	1.1	0.7	0.5	0.6	0.8	0.9	0.4	1.3	1.0	0.9	0.4	0.9	0.3	0.1	1.0	1.4	1.6	0.8	0.9

PERCENTAGE OF DATA VALID 91.7

TOTAL MONTHLY SUM= 622.00 TOTAL MONTHLY RECORD HOURS = 660.00

SARINIA AIR POLLUTION SURVEY

POLLUTANT: OZONE

UNIT: PPBM

STATION: SIXTH LINE

MONTH: JUL 1964

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	1	22	15	10	5	7	25	2	3	5	4	7	****	3	0	0	0	0	0	1	1	5.2
2	0	0	0	0	1	2	5	5	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.8
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.8
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.8
5	0	0	0	0	0	0	0	0	1	3	5	1	****	0	0	0	0	0	0	0	0	0	0	0	0.4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0.9
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0.6
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0.6
10	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	8	****	0	0	0	0	0.8
11	0	0	0	0	0	0	0	0	0	0	2	11	12	3	0	0	0	****	0	0	0	0	0	0	1.2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	5	2	0	3	3	1	1	0.7
13	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
15	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.6
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.6
18	0	0	0	0	0	0	0	0	0	0	0	0	****	1	2	5	3	1	0	0	1	1	0	0	0.8
19	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.6
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0.6
21	0	0	0	0	0	0	0	0	5	6	2	0	0	3	1	0	****	0	0	0	0	0	10	10	1.8
22	4	1	1	3	2	3	2	1	0	0	0	1	0	0	0	0	****	0	0	0	0	0	0	0	0.8
23	0	0	0	0	0	0	1	0	1	0	0	0	0	7	1	****	0	0	0	0	0	0	0	1	0.5
24	0	0	4	1	0	0	0	0	0	0	2	1	3	4	****	1	0	0	0	0	0	0	0	0	0.7
25	0	1	1	0	0	0	0	4	4	3	0	0	6	1	1	0	0	0	0	0	0	0	0	0	0.9
26	****	0	0	1	1	1	1	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	5	0.5
27	1	5	1	0	0	0	0	1	16	0	1	2	1	****	2	2	2	1	2	2	6	0	2	3	2.2
28	11	5	3	0	1	0	0	8	6	5	2	0	0	****	0	0	0	0	0	0	0	2	4	1	2.1
29	0	0	1	2	4	2	6	2	0	0	1	1	1	****	2	2	0	0	0	0	0	0	0	1	1.1
30	1	1	2	4	2	3	2	2	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.7
31	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.4
MEAN	0.7	0.4	0.4	0.5	1.1	0.9	1.2	1.0	1.3	1.4	0.5	0.6	1.0	0.9	0.8	0.3	0.3	0.5	0.1	0.1	0.3	0.2	0.6	0.8	0.7

PERCENTAGE OF DATA VALID 95.0

TOTAL MONTHLY SUM= 473.00 TOTAL MONTHLY RECORD HOURS = 707.00

POLLUTANT ETHYLENE

UNITS PPHM

STATION SCOTT ROAD

MONTH JUN 1984

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	6	1	1	1	5	****	0	0	0	0	0	0	0	0	0	0	1	4	5	2	1.1	
2	3	4	5	1	1	1	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	3	0.9	
3	2	0	0	0	0	0	0	0	0	0	0	0	****	0	1	0	0	0	1	2	1	2	4	3	0.7	
4	2	6	10	7	8	9	9	7	5	3	1	1	0	0	0	0	0	****	0	0	0	0	0	3	0.6	
5	1	1	1	0	0	1	0	3	3	1	0	0	0	0	2	4	1	1	0	0	****	0	0	1	1.6	
6	4	3	4	3	3	3	2	1	2	1	1	0	0	0	0	0	0	****	0	1	2	4	1	1	1.9	
7	2	3	6	5	5	3	2	3	3	1	1	1	1	1	0	0	0	0	****	0	1	1	1	1	1.5	
8	2	8	2	2	3	2	3	2	1	1	1	0	0	0	1	2	1	0	1	0	1	1	1	3	1.1	
9	2	2	0	2	1	3	3	2	1	0	1	0	1	1	0	0	0	0	****	0	0	2	1	3	1.1	
10	1	0	3	10	6	9	3	3	0	0	0	0	0	0	0	0	****	13	5	8	5	4	6	7	3.6	
11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	****	0	0	2	18	11	0	0	1.5	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	3	3	0.3	
13	2	3	4	5	4	2	1	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	4	7	1.5	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0.0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.0	
16	0	0	1	1	1	1	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.3	
17	1	1	1	1	1	1	1	0	0	0	0	0	****	0	0	1	0	0	0	0	0	1	1	8	0.8	
18	2	3	3	1	1	1	0	1	0	0	0	1	0	0	0	1	1	0	0	0	****	0	0	0	0	0.7
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0.0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	1	0.0	
21	1	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1	0.4	
22	1	1	1	1	2	2	2	1	1	0	0	1	1	0	0	0	0	****	1	0	0	1	0	0	0	1.0
23	0	0	0	0	0	1	0	1	1	1	1	0	1	0	0	****	0	0	0	0	1	0	0	0	0.3	
24	1	2	5	4	3	2	2	2	2	0	1	2	1	0	0	0	****	0	0	0	0	4	3	1	1.7	
25	1	1	1	1	0	1	1	1	1	0	****	1	0	0	0	****	0	0	0	0	0	1	1	0	0.5	
26	3	2	2	2	2	4	5	8	11	2	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1.8	
27	0	0	0	0	0	0	0	0	0	0	0	0	1	5	5	2	3	2	3	3	0	1	2	0	1.1	
28	2	1	11	6	0	0	0	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0.9	
29	0	1	0	1	1	0	0	0	0	****	0	0	0	****	0	0	0	0	0	0	1	0	0	1	0	0.2
30	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0.0	
MEAN	1.2	1.5	2.1	1.8	1.7	1.6	1.2	1.3	1.2	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.6	0.4	0.8	1.3	1.1	1.2	1.5	1.0	

PERCENTAGE OF DATA VALID 95.8

TOTAL MONTHLY SUM= 670.00 TOTAL MONTHLY RECORD HOURS = 690.00

POLLUTANT ETHYLENE

UNITS PPHM

STATION SCOTT ROAD

MONTH JUL 1984

100

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	3	9	0.5		
2	11	7	11	12	15	16	9	7	6	2	1	1	1	0	0	0	0	0	0	0	0	0	2	5	4.5	
3	3	4	8	15	14	43	14	6	6	11	****	2	0	0	0	3	0	2	0	****	2	1	1	3	4.3	
4	3	1	0	4	5	1	6	1	1	2	1	0	0	0	0	0	0	0	0	****	0	0	1	0	1.1	
5	0	0	0	6	5	7	5	1	0	0	0	0	0	0	0	0	****	0	0	0	2	1	1	0	1.2	
6	2	1	3	2	1	1	0	1	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.5	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0.3	
8	6	2	1	0	1	2	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	1	2	3	0.5	
9	0	0	0	0	0	0	0	0	2	1	1	2	1	1	0	****	****	****	****	****	****	****	****	****	****	0.5
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0.5
11	0	0	2	0	1	0	3	3	1	****	0	0	1	****	0	0	0	0	1	2	1	1	2	7	1.1	
12	0	0	0	0	0	1	4	8	5	4	1	1	****	0	0	1	0	0	6	15	10	3	2	7	3.0	
13	14	13	14	15	11	10	8	11	7	****	3	2	****	1	1	0	0	1	2	0	1	2	10	8	5.1	
14	7	6	8	7	8	10	8	6	6	7	3	3	2	1	1	0	****	1	2	2	4	5	6	5	4.7	
15	3	6	8	7	6	6	8	6	4	2	3	2	2	2	0	1	1	****	0	6	0	2	5	10	3.9	
16	10	12	12	9	4	2	2	1	2	****	1	0	1	0	1	0	0	****	0	0	0	9	3	2	3.2	
17	3	5	10	10	5	4	4	4	3	2	2	2	1	0	0	0	7	0	1	****	2	1	2	10	3.5	
18	6	3	9	7	4	1	0	0	0	0	0	4	1	0	0	0	0	1	****	0	1	1	10	14	3.0	
19	9	9	5	0	3	10	11	3	2	2	1	0	0	0	0	0	****	0	0	1	0	2	3	4	2.9	
20	5	4	5	5	5	6	5	2	2	2	2	1	0	0	0	1	****	1	0	0	0	3	2	4	2.4	
21	3	2	3	4	3	6	9	4	1	2	3	1	1	0	****	0	0	0	0	0	0	13	6	13	3.4	
22	21	16	3	4	15	17	10	18	8	2	1	1	0	0	0	****	0	0	0	0	0	0	1	1	5.1	
23	5	6	9	8	4	8	2	2	1	****	1	1	0	****	1	2	3	2	0	0	4	5	4	1	3.1	
24	0	1	3	1	1	1	0	1	5	5	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	1.0
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0.0	
27	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	
28	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0.5	
29	2	2	2	2	3	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	2	7	2	2	1.4	
30	4	4	7	3	8	7	12	20	10	1	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	3.3
31	0	9	3	3	5	4	6	3	2	1	0	0	0	1	****	0	0	0	0	0	1	1	2	2	1.9	
MEAN	4.1	3.9	4.3	4.3	4.4	5.9	4.5	3.9	2.7	1.9	1.0	0.9	0.4	0.2	0.1	0.3	0.7	0.3	0.5	1.3	1.1	2.3	2.5	3.9	2.4	

PERCENTAGE OF DATA VALID 88.2

TOTAL MONTHLY SUM= 1576.00 TOTAL MONTHLY RECORD HOURS = 656.00

C0 Data

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	2	2	1	1	****	0	2	0	0	0	0	0	0	0	0	1	1	1	1	1
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
4	1	1	1	0	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
5	****	****	1	0	1	1	-	****	0	-	-	0	0	0	0	0	0	0	0	1	1	-	1	1	0
6	1	0	1	0	0	1	1	0	1	1	1	0	0	0	0	0	****	0	0	1	1	1	1	1	1
7	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0
8	1	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
10	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	-	0	1	1	1	1	1	0	0
11	0	0	****	0	****	-	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	-	0	0	0	1	1	1	0	0
13	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	****	0	1	0	1	1	1	1	0
14	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
15	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
16	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
17	1	1	1	0	0	****	****	****	1	1	1	1	1	2	****	****	0	1	1	1	1	2	2	1	1
18	****	****	****	****	****	****	****	****	1	0	0	0	0	1	1	0	1	1	1	0	1	1	1	1	1
19	1	1	0	1	1	1	1	2	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	1	1	1	0
21	1	1	1	-	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
22	1	1	0	1	0	1	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1	0	0
23	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2	0
24	1	0	0	0	0	0	0	0	****	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0
25	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1	0
26	1	1	2	2	1	2	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	1	0	0	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0
MEAN	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.3

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	0
2	3	3	3	2	1	2	1	1	1	1	0	0	0	0	1	0	0	0	1	1	1	0	5	4	1
3	2	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	1	1	-	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
6	0	0	0	0	0	0	0	1	0	3	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	0
8	5	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	1	1	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
13	1	1	2	1	1	1	2	3	2	1	0	****	0	****	0	0	0	0	0	0	1	0	0	0	1
14	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	****	0	0	****	-	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	1	3	4	2	0
19	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
20	1	1	1	1	1	0	1	2	0	0	****	0	****	0	0	0	0	0	0	0	0	1	****	0	0
21	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	2	1
22	1	1	1	1	1	2	1	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	2	1	1	0	0	0	1	0	0	0	0	1	2	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
28	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
29	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
30	2	1	1	1	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	****	1	0	0	0	1	0
MEAN	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.3

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	****	****	0	0	0	0	-	****	****	-	-	1	0	0	0	0	0	0	0	0	0	-	0	0	0
6	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	0	0	0	****
7	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	****	0	0	0	1	0	0	0
11	0	0	0	0	0	-	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	****	0	0	0	0	-	0	-	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0
14	****	****	****	****	****	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	****	****	****	****	0	0	0	0	0	0	****	****	****	****	****	0	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19	0	****	****	****	****	****	****	****	****	****	0	0	0	1	0	0	0	0	0	0	0	0	0	0	****
20	0	****	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	****
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	1	0	0	0	0	0	0	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	1	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 87.1

PERCENTAGE OF DATA INVALID - 11.7

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	****	0	0	0
5	****	****	****	****	****	0	0	0	0	-	****	****	****	****	****	****	****	****	****	****	0	0	0	0	*****
6	0	0	0	0	0	0	****	****	0	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	0	0	1	0	0	****	****	0	****	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3	3	0
13	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
14	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
17	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0
18	0	0	0	0	0	0	0	0	0	0	****	****	0	****	****	0	0	0	0	-	0	2	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	****	0	****	****	0	0	0	0	0	0	0	0	****	0	0
21	0	0	0	0	0	0	0	0	****	0	0	****	****	****	****	****	0	****	****	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	-	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0
23	1	0	****	****	****	****	0	0	0	****	****	****	****	0	0	0	0	-	0	0	0	0	0	0	*****
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
26	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
29	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0
30	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 91.5

PERCENTAGE OF DATA INVALID - 7.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	****	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0
5	****	****	0	0	0	0	-	****	0	-	-	****	0	0	0	0	0	0	0	0	0	1	2	0	0
6	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
10	0	0	0	****	0	0	****	0	****	****	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0
11	0	0	****	****	****	-	****	0	****	****	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	-	0	1	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0
14	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0
15	****	****	****	****	****	0	0	0	0	****	****	****	0	****	****	****	0	0	0	1	0	1	2	0	****
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	****	****	****	0	0	0	1	0	1	1	****	****	0	0	0	0	0	0	0	0
18	****	****	****	****	****	****	****	****	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0
19	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	-	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	****	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	2	1	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 90.0

PERCENTAGE OF DATA INVALID - 8.8

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0
5	0	0	0	0	0	0	0	0	0	-	****	1	0	0	0	0	2	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	0	1	0	0	0	4	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	2	2	0
8	2	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	2	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	1	1	2	3	0
13	3	2	1	2	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
16	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
17	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	2	0
18	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	0	0	****	1	****	0	0	0	0	0	0	0	0	0	****	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
22	0	1	1	0	0	0	0	0	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
26	1	2	2	1	1	1	1	1	1	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	****	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0
30	0	0	0	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1
31	1	1	1	1	0	1	2	2	****	****	0	0	0	0	1	2	2	2	2	2	4	2	2	2	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - PARTICULATES - SOILING INDEX

UNITS - 0.1 COMS/1000 FT

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	10	13	12	10	15	14	15	10	****	****	14	10	5	6	5	5	5	5	5	6	6	5	6	9
2	6	6	4	4	6	0	5	5	6	3	3	3	5	3	2	3	2	2	3	3	3	5	6	5	4
3	3	4	3	2	1	2	0	3	0	2	0	2	2	0	1	1	0	1	0	4	3	3	4	5	2
4	9	9	8	7	11	17	21	25	15	****	3	5	3	6	4	3	4	3	2	3	3	4	4	3	7
5	****	****	6	5	5	2	-	****	8	-	-	6	8	6	12	6	4	7	****	5	10	-	5	7	6
6	6	7	5	7	8	7	9	9	9	9	8	4	6	7	6	-	4	3	2	3	5	4	6	7	6
7	5	7	5	6	6	8	5	9	10	8	6	3	8	5	6	5	4	2	3	3	3	5	4	4	5
8	4	3	5	4	5	4	2	5	****	8	6	2	5	4	4	5	4	5	3	3	4	3	3	4	4
9	6	8	5	5	6	7	4	6	3	5	3	1	3	3	3	1	3	5	4	5	5	7	5	4	4
10	4	4	5	4	4	4	3	2	4	4	4	3	2	2	2	3	-	2	2	3	4	4	3	0	3
11	2	0	0	0	1	-	1	3	3	3	2	2	2	3	0	3	2	1	1	2	2	0	4	2	2
12	4	0	2	3	0	3	4	6	6	7	4	3	7	7	-	3	-	3	3	4	5	6	8	8	4
13	6	4	6	5	6	12	12	13	15	12	8	5	3	4	4	3	****	5	3	5	6	8	5	8	7
14	8	5	6	4	2	2	4	6	4	5	3	2	4	2	3	3	2	1	2	1	1	1	0	0	3
15	2	2	0	0	0	2	2	2	2	1	2	0	1	2	2	2	0	2	1	2	2	2	2	2	1
16	0	2	0	0	2	3	2	3	2	3	3	4	3	3	2	3	3	3	4	3	5	5	5	4	3
17	4	3	4	0	4	****	****	****	8	6	5	4	4	5	5	****	5	3	5	6	8	****	****	****	5
18	****	****	****	****	****	****	****	****	****	5	7	4	5	3	5	10	4	4	7	2	3	3	4	4	****
19	4	3	3	5	6	7	8	9	3	3	4	4	4	3	3	4	2	2	3	3	2	2	4	1	4
20	6	5	2	2	0	5	4	0	2	2	****	****	3	0	2	2	2	1	2	3	2	5	3	3	3
21	0	3	1	-	0	5	5	4	3	4	3	2	3	1	2	2	2	2	1	0	1	5	3	7	3
22	3	3	7	3	3	6	5	3	4	3	4	2	3	****	****	7	0	2	2	2	2	3	0	3	3
23	2	1	0	2	2	5	4	5	7	5	4	4	3	3	2	2	3	3	3	4	5	4	5	7	4
24	6	2	4	3	2	4	2	0	****	3	1	1	0	****	****	2	0	2	0	0	2	1	3	2	2
25	3	0	2	4	0	5	5	3	2	2	2	2	2	0	0	3	1	0	0	2	3	4	6	4	2
26	3	5	12	11	9	21	13	18	5	5	4	0	0	1	3	2	2	2	3	7	3	2	3	4	6
27	4	3	3	4	2	5	6	6	6	7	7	4	2	3	3	2	2	2	2	3	2	3	2	3	4
28	4	7	5	3	4	9	9	7	6	0	3	0	2	3	0	****	4	3	0	2	3	4	3	2	4
29	0	3	3	2	0	6	5	4	3	3	2	4	3	3	3	3	3	****	2	3	3	3	2	2	3
30	0	1	0	0	0	2	2	2	2	3	3	3	3	2	2	0	0	0	2	2	2	3	2	3	2
MEAN	4	4	4	4	4	6	6	6	5	4	4	3	4	3	3	3	2	3	2	3	4	4	4	4	3.9

PERCENTAGE OF DATA VALID - 93.9

PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - PARTICULATES - SOILING INDEX

UNITS - 0.1 COHS/1000 FT

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	0	2	2	0	0	2	2	2	0	0	0	0	1	0	0	0	1	2	4	4	8	2
2	10	8	13	16	12	15	15	12	9	7	4	4	3	0	4	5	3	2	3	4	3	3	7	6	7
3	6	6	8	9	4	10	12	13	9	8	5	11	3	4	6	5	5	4	5	8	8	6	9	3	7
4	6	6	3	5	5	7	7	5	4	5	6	5	5	5	3	5	3	4	3	4	2	4	4	3	5
5	6	6	6	6	3	6	8	11	10	-	11	9	6	3	6	6	7	3	3	4	5	7	5	5	6
6	5	6	4	3	0	5	5	8	9	****	4	3	3	6	3	5	0	0	3	0	1	1	0	2	3
7	1	2	3	0	0	2	3	3	0	0	2	0	0	0	1	0	0	1	0	0	3	6	7	8	2
8	16	10	6	5	6	6	5	5	3	3	3	1	1	0	0	0	1	1	0	3	1	1	1	2	3
9	3	3	4	3	2	4	4	5	4	3	5	-	4	4	3	3	2	3	4	3	4	3	4	2	3
10	4	5	4	7	9	17	10	11	10	5	4	2	2	2	3	9	3	4	4	5	6	4	3	3	6
11	3	2	3	4	4	4	5	5	6	4	4	4	4	5	5	7	2	3	4	3	4	6	8	8	4
12	5	5	4	3	4	11	11	10	8	10	8	****	2	3	0	3	2	2	2	2	3	3	6	7	5
13	13	20	18	15	12	16	24	20	16	9	4	3	4	3	2	3	3	2	3	4	8	9	4	8	9
14	6	6	3	9	10	15	14	13	9	11	7	4	5	2	3	2	3	3	4	3	4	3	4	6	6
15	6	5	7	4	6	3	3	5	3	4	3	3	2	3	3	3	3	2	0	0	0	3	3	2	3
16	5	6	3	4	0	4	4	4	3	-	6	2	0	3	2	2	1	0	0	3	3	4	3	5	3
17	6	7	7	6	7	7	9	7	5	5	5	5	4	3	2	3	4	3	5	6	****	10	6	4	5
18	4	5	4	3	1	5	5	3	3	3	****	0	2	3	3	2	3	9	4	-	2	4	8	8	4
19	4	6	10	12	9	16	14	13	11	4	3	3	3	2	2	0	3	2	4	4	5	5	6	6	6
20	7	8	8	8	4	8	9	10	7	6	1	4	****	****	6	3	4	2	4	3	3	4	1	2	5
21	5	6	5	3	7	5	7	7	7	6	5	4	5	4	3	2	4	5	3	3	3	2	4	3	5
22	5	3	3	6	12	10	9	7	-	4	4	4	3	2	2	1	2	2	2	2	3	3	3	3	4
23	3	8	5	7	6	10	10	12	7	8	6	4	5	3	5	5	3	-	4	5	4	4	3	6	6
24	7	3	2	4	0	5	5	7	****	11	9	6	8	5	8	13	10	1	2	0	3	0	1	0	5
25	0	1	0	3	2	3	6	7	9	9	11	6	8	4	5	3	5	3	2	4	6	3	3	4	4
26	4	4	5	10	9	11	15	14	12	8	8	7	5	6	5	9	6	5	4	3	0	2	3	1	7
27	4	4	5	3	3	6	9	11	10	7	5	3	2	3	4	2	0	5	3	2	2	2	2	2	4
28	3	3	-	15	4	5	5	2	2	2	0	2	0	0	2	3	2	2	1	0	0	8	1	2	3
29	3	4	****	3	4	1	2	2	0	2	2	1	0	0	0	1	0	2	2	2	0	5	4	4	2
30	8	7	8	8	7	14	17	13	6	3	2	3	2	2	3	4	3	0	2	3	3	4	4	4	5
31	3	6	4	4	2	6	8	9	8	7	5	5	4	5	5	3	5	2	4	4	7	4	7	7	5
MEAN	5	6	6	6	5	8	8	8	7	6	5	4	3	3	3	4	3	3	3	3	3	4	4	5	4.7

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - PARTICULATES - SOILING INDEX

UNITS - 0.1 COHS/1000 FT

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	2	3	4	5	4	2	****	2	1	0	1	1	2	5	2	3	4	3	3	3	3
2	0	2	2	3	2	4	3	3	0	0	0	0	2	0	1	0	0	0	2	1	0	0	2	3	1
3	5	3	3	1	2	0	1	0	0	0	0	0	1	0	0	1	0	0	0	2	4	3	2	1	1
4	2	6	4	3	3	3	3	0	1	2	2	2	4	3	2	2	2	1	3	3	3	3	3	3	3
5	****	****	2	3	4	4	-	****	****	-	-	5	5	5	5	5	5	4	****	4	7	-	3	3	*****
6	4	4	5	7	5	6	8	5	4	5	4	5	5	5	2	-	****	****	****	****	****	11	3	4	5
7	6	6	5	5	5	6	4	12	9	4	8	6	6	5	3	5	3	4	3	3	4	4	5	2	5
8	3	4	3	5	6	8	4	5	5	5	5	4	4	6	6	7	4	4	3	4	3	3	3	3	4
9	3	3	3	2	3	3	2	2	3	3	2	2	2	2	2	2	2	0	0	0	0	0	0	0	2
10	1	2	5	4	4	6	6	5	5	4	5	4	5	3	3	4	2	0	0	2	1	3	2	0	3
11	0	0	0	0	0	-	2	3	0	0	1	2	1	0	0	1	5	1	0	0	5	6	4	2	1
12	3	1	2	0	0	1	2	0	2	****	3	4	4	5	-	5	-	3	5	3	3	2	5	11	3
13	5	4	4	6	12	5	9	8	5	3	4	2	3	6	4	6	6	4	3	0	0	3	2	2	4
14	2	0	0	0	0	0	0	3	2	1	3	2	4	2	2	4	0	0	0	0	0	0	0	0	1
15	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2	0	6	4	3	3	4	4	1
16	4	3	4	6	3	3	3	5	0	0	2	2	2	1	2	2	2	2	3	2	2	2	2	2	2
17	2	9	0	2	2	****	****	****	3	3	2	2	3	2	0	****	5	3	3	3	3	****	7	****	3
18	****	****	****	****	****	****	****	****	****	4	5	2	4	2	0	0	0	0	0	0	0	0	0	0	*****
19	2	3	3	1	2	2	4	3	2	2	2	0	3	2	3	0	0	0	0	0	0	0	0	0	1
20	3	2	2	2	0	0	2	0	0	0	****	****	1	1	2	0	1	0	0	0	0	1	5	2	1
21	2	3	3	-	4	3	3	0	0	0	2	2	2	3	3	3	1	0	0	2	1	2	3	4	2
22	4	4	7	3	5	7	8	1	2	2	2	2	2	****	****	0	1	1	0	0	0	3	0	2	3
23	2	0	0	0	0	2	2	4	3	5	5	6	4	5	4	4	4	4	2	3	3	2	0	0	3
24	0	0	2	2	2	3	2	1	****	3	0	1	0	****	****	0	0	0	0	0	0	0	1	3	1
25	2	0	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3	6	3	1	1
26	0	0	0	6	0	4	5	2	2	0	2	2	3	5	4	2	1	2	2	2	2	0	0	1	2
27	1	2	4	4	2	3	4	4	6	5	4	2	0	1	****	1	0	0	0	0	0	0	0	0	2
28	2	4	4	4	2	2	4	0	2	3	2	1	1	2	0	****	4	0	2	0	0	2	0	0	2
29	1	2	3	3	1	0	2	3	3	1	0	1	0	1	3	0	1	0	0	0	0	0	0	1	1
30	4	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MEAN	2	3	2	3	2	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - PARTICULATES - SOILING INDEX															UNITS - 0.1 COHS/1000 FT										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - JUL 84										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	4	4	3	0	0	0	0	1	2	0	0	2	1	1	0	0	0	0	2	0	3	1
2	3	4	5	4	5	9	6	7	5	4	3	2	2	2	1	2	0	0	2	4	3	3	3	3	3
3	3	4	4	4	5	5	4	4	4	4	3	8	6	4	3	3	4	2	3	3	7	7	5	4	4
4	5	5	5	3	3	3	4	5	4	4	5	4	3	6	****	2	2	3	3	4	3	2	3	3	4
5	4	3	3	3	5	4	6	8	6	-	4	6	3	2	4	2	4	4	4	6	11	5	4	4	5
6	2	3	3	4	4	4	0	2	3	****	2	4	4	0	2	0	0	0	0	0	0	5	0	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	3	4	1
8	3	3	3	1	2	4	3	2	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	1
9	0	0	0	1	2	2	2	4	4	7	3	-	2	2	2	2	1	2	4	2	2	3	2	2	2
10	3	2	2	2	3	7	6	7	7	4	4	4	4	****	1	1	3	2	3	4	3	3	3	3	4
11	4	0	0	2	0	0	1	2	3	3	2	2	2	3	2	2	1	0	3	5	2	0	0	0	2
12	0	0	0	2	2	4	5	4	2	3	2	3	3	1	0	0	0	2	1	3	4	4	7	10	3
13	7	6	5	3	3	5	6	7	4	3	2	1	2	1	2	3	3	3	3	3	2	3	4	5	4
14	6	8	11	11	10	12	10	8	7	5	4	3	2	3	4	3	5	4	4	3	4	5	4	5	6
15	3	4	5	5	5	7	6	4	6	5	5	5	3	5	3	3	2	1	3	1	0	0	0	0	3
16	0	0	0	0	1	0	2	1	2	-	7	2	3	0	0	0	0	0	0	0	0	3	2	4	1
17	2	5	4	4	2	4	5	3	8	6	2	4	3	3	4	1	1	4	3	0	****	3	0	0	3
18	0	2	1	2	1	2	2	3	2	1	****	2	0	0	1	0	0	0	0	-	1	3	3	5	1
19	3	2	2	2	4	6	9	0	2	2	2	0	0	1	3	4	2	2	3	2	3	2	3	2	3
20	3	3	5	3	3	5	6	5	6	4	6	6	****	10	5	4	2	3	3	3	3	3	0	0	4
21	2	4	6	4	2	2	4	3	3	3	3	2	3	3	0	0	0	0	0	0	0	2	2	2	2
22	4	2	0	3	3	4	5	5	-	5	4	3	4	4	4	3	2	3	3	2	2	1	3	3	3
23	9	6	4	4	4	5	5	7	6	7	7	5	****	5	4	3	3	-	4	5	3	2	3	4	5
24	0	0	0	0	0	0	2	2	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	4	4	2	0	0	1	2	2	0	0	0	0	0	0	0	0	0	1	2	2	1	1
26	0	0	0	1	1	1	2	4	3	3	3	4	4	4	2	4	2	2	3	3	0	0	4	5	2
27	7	7	2	2	2	2	3	0	1	1	0	2	1	2	0	0	3	1	0	0	0	0	0	0	2
28	0	0	-	0	0	4	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	3	6	1
29	4	2	****	1	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	3	3	2	1
30	0	5	5	4	2	3	4	3	3	2	2	2	0	2	2	3	1	1	1	2	2	2	3	4	2
31	3	4	3	3	3	4	4	7	6	5	4	3	4	6	3	4	4	4	5	3	5	3	2	4	4
MEAN	3	3	3	3	3	4	4	3	3	3	3	3	2	2	2	2	1	1	2	2	2	3	2	3	2.5

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - PARTICULATES - SOILING INDEX

UNITS - 0.1 COHS/1000 FT

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	3	3	1	1	2	3	3	3	2	****	4	2	1	2	1	1	3	1	2	2	4	3	4	2
2	4	2	4	2	5	9	7	6	5	0	0	0	2	0	1	1	2	0	0	0	2	0	1	2	2
3	0	2	2	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	5	1	2	3	1
4	2	0	0	2	2	3	3	3	3	2	2	3	1	1	3	2	2	3	2	4	4	4	5	3	2
5	****	****	3	4	7	7	-	0	7	-	-	****	6	5	5	5	5	4	****	4	6	-	4	3	5
6	5	6	7	7	8	8	6	5	6	5	5	5	5	5	6	-	4	3	4	3	3	3	3	3	5
7	5	6	9	15	13	11	9	7	6	6	6	5	6	7	5	4	4	3	3	5	5	4	4	5	6
8	6	6	6	6	7	7	8	7	9	7	6	6	6	6	5	5	5	5	4	4	5	3	4	3	6
9	3	4	4	3	3	3	4	4	3	3	3	3	4	4	5	4	6	5	3	4	4	6	4	5	4
10	5	6	4	5	5	5	5	5	4	4	5	4	5	5	4	3	3	3	3	5	3	5	3	5	4
11	3	1	0	0	0	-	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	3	5	1
12	4	3	5	6	6	6	3	3	2	2	3	3	4	5	-	5	-	0	0	0	0	0	2	3	3
13	4	4	3	3	3	3	4	3	4	5	4	5	3	3	3	3	3	3	3	0	0	0	0	1	3
14	3	2	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	2	2	2	1	1	0	0	****	0	0	0	0	1	2	2	2	3	1
16	5	2	2	2	2	3	2	3	3	2	2	1	1	1	2	1	0	0	0	0	2	2	1	2	2
17	2	2	1	1	1	****	****	****	3	3	2	2	2	3	3	****	7	3	2	2	2	****	3	****	2
18	****	****	****	****	****	****	****	****	****	4	4	5	0	3	2	1	1	0	0	1	0	1	2	2	****
19	0	0	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	2	2	2	0	0	0	1	3	2	2	****	****	1	2	0	0	0	2	1	2	2	2	2	3	1
21	3	3	3	-	3	5	5	3	3	4	2	1	1	****	1	1	1	3	0	0	3	2	2	5	2
22	3	4	5	2	3	4	3	2	3	2	2	2	1	****	****	1	1	1	1	2	1	2	0	1	2
23	2	1	2	2	2	3	2	3	3	4	4	4	3	4	3	3	3	3	3	2	2	1	1	2	3
24	1	3	1	0	1	2	3	2	****	4	2	1	0	****	****	0	0	0	0	0	0	0	0	1	1
25	2	1	2	0	2	2	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	1
26	0	2	3	5	5	5	8	7	3	2	0	0	0	0	3	1	2	1	1	0	1	2	1	0	2
27	0	2	3	3	4	3	3	4	7	5	4	5	4	4	3	1	0	0	0	0	0	4	2	3	2
28	1	1	1	1	1	3	2	2	0	3	2	2	2	****	1	****	2	1	0	0	2	5	5	3	2
29	0	0	0	0	0	0	0	1	0	1	2	2	0	0	0	0	2	0	0	0	0	0	1	6	1
30	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	1	3	3	1
MEAN	3	2	3	3	3	4	3	3	3	3	2	2	2	2	2	2	2	2	1	1	2	2	2	3	2.3

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - PARTICULATES - SOILING INDEX

UNITS - 0.1 COHS/1000 FT

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	0
3	2	3	2	2	6	3	5	4	3	2	****	2	3	4	2	3	4	3	3	3	4	3	3	3	3
4	3	4	3	3	5	4	3	4	4	4	5	4	3	4	4	2	4	3	5	5	3	3	4	4	4
5	4	3	4	5	5	2	2	4	5	-	****	4	4	5	3	0	2	2	2	3	2	2	3	3	3
6	3	2	0	3	3	3	4	3	3	****	3	3	2	2	6	4	3	3	2	0	0	0	0	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	2	0	0	0	0	3	4	4	1
8	4	5	4	5	4	4	5	5	2	0	0	0	0	0	0	1	0	0	0	0	1	0	2	3	2
9	4	2	0	1	0	2	2	3	2	4	4	-	2	3	3	2	3	2	2	2	2	2	2	2	2
10	3	2	2	3	****	5	3	4	3	7	3	3	2	2	3	2	2	3	3	2	2	2	5	5	3
11	3	3	0	0	0	2	2	2	3	2	2	2	2	1	2	2	0	1	1	0	1	3	2	3	2
12	2	0	0	1	1	3	3	3	2	2	2	2	2	****	3	0	0	1	0	1	1	3	5	7	2
13	6	7	6	6	8	9	9	4	4	3	3	2	0	2	1	2	2	1	2	2	3	3	3	2	4
14	3	2	1	3	3	4	4	6	4	3	3	2	3	3	2	3	3	3	4	4	4	3	3	3	3
15	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	4	2	3	0	2
16	0	2	2	1	2	3	2	2	0	-	1	0	0	0	0	0	0	0	0	1	2	3	4	6	1
17	7	6	4	7	7	8	7	6	3	2	3	3	3	4	3	2	3	2	1	2	****	2	3	2	4
18	3	2	2	3	2	2	2	3	2	2	2	0	0	0	0	0	0	0	0	-	0	0	1	1	1
19	0	0	2	4	4	2	2	3	2	0	0	0	0	0	2	0	2	0	2	2	4	3	3	2	2
20	2	2	2	3	2	3	4	5	4	2	3	3	****	8	****	3	3	2	2	3	3	3	0	2	3
21	3	2	3	2	3	3	4	3	2	2	2	2	2	2	2	2	2	2	1	2	3	2	3	1	2
22	1	2	3	3	4	3	3	2	-	2	3	2	2	2	2	2	1	1	2	2	2	3	3	3	2
23	2	2	3	2	3	4	4	4	4	5	4	4	3	3	4	3	4	-	3	3	4	3	2	3	3
24	0	0	0	0	0	2	1	1	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	2	0	0	2	1	1	2	3	1	0	0	0	0	0	0	0	0	0	1	2	4	1
26	6	4	5	8	10	9	6	10	10	8	4	3	****	3	2	2	3	2	2	3	2	2	1	2	5
27	1	1	0	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1
28	0	1	-	0	0	0	1	2	0	2	0	0	0	2	3	4	0	2	0	0	0	0	0	0	1
29	0	0	2	2	2	2	1	0	2	1	2	0	2	2	3	4	0	1	0	0	0	0	0	0	1
30	0	5	4	3	4	4	4	6	4	2	2	2	2	2	1	0	0	1	0	1	2	3	6	6	3
31	6	7	6	8	10	13	14	11	7	****	4	3	3	3	2	3	2	3	3	****	4	3	4	5	6
MEAN	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3	2.2

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	3	7	4	2	2	2	2	2	****	1	4	1	1	1	2	1	6	3	1	1	1	1	0	2
2	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4	1	1	1	1	1	1	4	4	3	0	0	1	4	2	2	3	3	2	0	0	0	0	0	0	1
5	****	****	0	0	0	0	-	****	1	-	3	3	3	2	2	1	1	0	1	0	0	0	0	0	1
6	0	0	0	0	0	0	1	2	3	3	3	3	2	2	1	-	****	0	0	0	0	0	0	0	1
7	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	1	1	2	2	2	1	1	1	1
8	0	0	0	0	1	2	3	2	****	3	3	2	1	0	1	2	2	1	0	0	0	0	1	4	1
9	4	4	4	3	2	3	1	2	1	1	2	0	0	1	0	0	1	1	0	1	0	0	0	0	1
10	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	-	0	0	1	1	1	1	0	0
11	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	2	3	2	1	1	1	7	7	-	2	-	2	0	0	0	1	2	2	2
13	2	1	2	2	2	4	4	6	5	4	3	1	1	0	1	0	****	1	0	0	2	1	0	1	2
14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	2	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	7	7	2	1	1	1	1	0	0	1
17	0	0	0	0	0	****	****	****	4	3	2	1	1	1	0	****	****	0	1	1	2	4	5	4	2
18	****	****	****	****	****	****	****	****	2	1	2	2	1	1	0	1	1	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	1	3	7	2	0	3	6	1
20	2	1	2	3	2	2	1	0	1	0	0	0	0	0	0	1	0	0	6	8	2	3	5	1	2
21	1	1	1	-	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	0	0	0	0	0	****	3	0	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	1	3	5	6	5	2	3	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	****	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
26	1	1	1	1	1	1	2	4	****	****	****	0	0	1	5	1	2	1	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	****	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	1	0	0	0	1	0	0	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0
29	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0.8

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE.

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1	1	1	2	2	3	4	3	2	1	0	0	1	1	1	1	0	0	0	0	0	1
3	0	0	0	2	0	0	1	2	1	2	3	1	0	3	0	0	1	1	2	2	1	0	0	2	1
4	2	1	1	1	2	2	2	1	0	1	1	0	2	1	1	1	1	1	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	****	-	2	1	0	1	1	3	3	1	3	1	1	1	1	0	1
6	1	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	-	1	0	0	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	3	2	1	****	****	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	2	4	2	1	0	1	1	2	0	0	0	0	1	0	0	0	1
14	0	0	0	0	1	1	1	2	2	2	3	1	1	0	0	1	1	1	0	0	0	0	0	0	1
15	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	2	1	0	0	0	0	0	1	1
16	1	1	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	0	0	0	0	0	1	0
17	2	2	1	1	6	4	9	6	1	1	3	3	1	3	1	1	1	0	1	4	****	****	1	0	2
18	0	0	0	0	0	1	1	0	0	****	****	****	0	0	0	0	0	0	0	-	0	0	1	0	0
19	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0
20	0	0	0	1	1	1	2	4	7	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	- DATA INVALID -																								
22	- DATA INVALID -																								
23	****	****	****	****	****	****	****	****	****	****	****	****	0	2	2	2	1	-	0	1	1	0	0	1	*****
24	1	0	0	0	0	0	0	1	****	****	0	0	0	0	0	0	0	0	0	0	2	6	3	3	1
25	1	2	1	0	0	0	0	0	1	1	1	0	0	2	0	0	1	1	2	3	2	1	0	0	1
26	0	0	0	0	1	1	1	1	3	2	2	4	3	1	0	1	1	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	-	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	3	1	0
29	0	0	****	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	6	3	0	0	0	0	1
31	0	0	0	0	0	0	0	1	1	2	6	1	2	3	5	4	4	2	1	1	0	0	0	0	1
MEAN	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 87.6

PERCENTAGE OF DATA INVALID - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

DEC 17, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - SW NO 14004					HYDRO SS CONCESSION 14/15										COURTRIGHT										MONTH - JUN 84									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	0	0	0	0	1	1	4	3	2	6	1	0	0	0	0	0	0	0	1										
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0										
4	0	0	0	0	0	0	0	0	0	0	0	0	****	1	1	2	3	2	1	1	0	0	0	0	0										
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1										
6	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1										
8	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1										
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1										
10	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1										
11	1	1	1	1	1	1	1	1	3	5	9	3	13	4	3	2	2	2	2	1	****	0	0	0	2										
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
15	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
18	0	0	0	0	0	0	0	0	0	0	0	0	0	****	1	1	1	1	1	0	0	0	0	0	0										
19	0	0	0	0	0	0	0	0	0	1	3	1	****	1	0	0	0	0	0	0	0	0	0	0	0										
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
25	0	0	0	0	0	0	0	0	1	1	0	0	0	1	****	1	1	2	0	0	0	0	0	0	0										
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0										
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0										
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0.4										

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14004

HYDRO SS CONCESSION 14/15 COURTRIGHT

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	2	5	4	5	6	3	3	5	11	3	1	1	2	2	2	2	2	3
22	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0
23	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	3	4	6	4	15	13	16	7	1	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	1	3	9	4	15	13	16	7	1	0	0	0	0	0	0	0	0	3
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	1
27	0	0	0	0	0	0	1	2	3	1	1	2	1	1	2	2	3	4	4	1	3	2	1	1	1
28	1	0	0	0	1	1	1	3	2	3	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	1	2	3	3	4	2	2	2	2	1	0	0	0	0	0	0	1
30	0	0	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	0	1	1	1	2	3	6	3	3	3	3	2	2	2	2	1	1	1	1	1	2
MEAN	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	0	1	0	0	0	0.7

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - SULPHUR DIOXIDE-

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016					OPPOSITE LAMBTON GS HWY40 COURTRIGHT										MONTH - JUN 84										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	****	1	****	8	11	9	5	1	****	1	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	1	1	0	1	0	1
5	****	****	0	1	0	0	-	****	0	-	-	1	1	1	1	2	0	0	0	2	2	-	0	1	1
6	1	0	0	0	1	1	0	0	1	0	0	0	0	1	1	-	****	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	2	0	0	0	1	1	2	1
8	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1	1
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	1	1	1	1	1
10	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	1	0	0	1	0	1
11	0	0	0	0	0	-	0	1	0	0	1	1	1	7	7	2	3	0	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	1	1	0	0	1	3	3	-	2	-	2	2	1	1	1	0	0	1
13	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	3	0	0	0	0	1	0	1	2	3	3	2	3	3	2	1	1	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	3	0	1	2	4	3	2	1	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	1	1	1	0	0	0	0
17	0	0	0	0	1	****	****	****	0	0	0	0	0	0	0	****	****	0	0	0	0	****	****	****	0
18	****	****	****	****	****	****	****	****	****	****	****	0	****	****	0	0	****	0	0	0	0	****	****	0	****
19	0	0	0	****	0	****	****	****	0	****	****	0	0	0	0	1	1	1	1	0	0	0	0	0	0
20	0	1	0	0	0	****	0	0	****	****	****	1	2	1	3	3	1	0	2	1	3	0	****	****	1
21	****	****	****	-	****	****	****	****	****	****	0	0	4	2	2	0	0	****	0	0	0	****	****	****	****
22	****	****	****	****	****	****	****	0	0	****	****	0	0	0	0	1	0	0	0	0	0	****	0	0	****
23	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0
24	0	0	0	0	0	0	0	0	****	0	0	0	0	0	****	0	****	0	0	0	0	0	0	****	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	3	2	3	0	0	0	0	1
27	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	****	****	0	0	0	0	0	1	0	0
29	0	0	0	0	0	0	0	0	0	3	0	1	1	2	1	2	2	2	2	2	1	0	0	0	1
30	0	0	0	0	0	0	0	0	1	4	4	2	3	2	2	2	3	2	4	8	5	2	2	4	2
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 88.3

PERCENTAGE OF DATA INVALID - 10.4

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016

OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	4	3	1	1	1	3	5	8	11	15	5	2	1	2	3	2	0	2	1	0	0	0	3
2	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	****	0	-	5	3	1	0	0	0	0	0	0	0	0	0	0	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	****	0	0	****	0	****	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	****	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	****	0	****	0	0	0	-	1	0	0	1	1	1	1	1	1	1	0	1	0
10	1	0	0	0	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	0	1
11	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1
12	1	1	0	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	2	1	0	0	1	1	1
13	1	1	0	1	0	0	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
14	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	1	2	2	2	1	1	1	2	1	1	1	0	0	1	1	0	1
16	0	1	0	1	1	1	0	0	1	-	1	0	0	1	0	0	1	0	1	1	1	0	0	1	1
17	0	1	1	1	1	1	1	1	2	2	1	0	1	****	****	0	0	0	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	2	1	2	-	0	0	0	****	****
19	****	****	0	0	0	0	0	0	****	****	****	0	****	****	****	0	0	0	0	0	0	0	****	****	****
20	****	****	****	0	0	0	0	1	0	0	****	1	****	1	0	4	0	0	2	2	3	3	****	****	1
21	****	****	****	****	****	0	****	0	1	2	6	5	9	6	11	16	9	5	1	0	0	****	****	****	****
22	****	****	0	****	****	0	0	1	-	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0
23	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	-	****	0	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	1	1	1	0	0	0	0	0	0	****
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	0	0	0	0
28	0	0	-	0	0	0	0	0	1	2	2	2	1	1	1	1	2	1	1	0	0	0	0	0	1
29	0	1	****	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	3	5	0	2	2	1	1	1	1	1	0	0	0	0	1
MEAN	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 87.9

PERCENTAGE OF DATA INVALID - 11.2

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

DEC 17, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
4	1	1	0	0	0	0	0	0	0	3	1	1	1	1	1	2	2	8	8	2	1	1	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	****	2	1	1	2	1	1	1	1	0	0	1	0
6	1	1	1	1	1	1	3	3	4	3	3	2	3	1	1	1	1	1	1	0	0	0	0	0	1
7	1	1	2	2	1	1	1	2	2	1	2	6	7	7	6	5	5	3	2	2	2	2	3	1	3
8	2	4	1	1	3	5	7	7	9	7	7	4	2	2	2	1	1	1	1	1	1	1	1	1	3
9	1	1	1	4	3	2	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	1
10	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	1	1	0	0	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	2	1	1	2	12	13	14	11	12	2	1	1	1	1	1	1	3
13	2	3	2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	2	2	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	7	12	7	1	1	1	1	1	2
17	0	0	0	0	0	0	1	1	1	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	5	1	1	1	1	0	1	6	7	2	1	1	0	0	0	0	1
27	1	1	1	4	5	4	1	1	1	1	****	2	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

JUL 03, 1985

UNITS - 0.01 PARTS/MILLION

MONTH - JUL 84

—

PERCENTAGE OF DATA UNAVAILABLE - 46.9

4. "DATA INVAULABLE" AND "NOT IN USE" USED INTERCHANGEABLY FOR PRE-475 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	****	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	7	6	3	3	2	1	0	0	1
5	****	****	0	1	1	1	-	****	****	-	-	1	2	3	2	2	2	1	****	1	1	-	3	7	*****
6	7	5	2	1	1	1	1	1	1	1	1	1	2	1	1	-	****	****	****	****	****	1	1	3	2
7	4	6	7	6	5	5	3	3	4	3	3	4	5	7	7	7	4	4	8	8	8	13	9	5	6
8	6	11	6	9	10	13	12	11	12	11	9	5	3	3	2	3	4	3	2	3	2	2	1	1	6
9	1	1	1	0	1	1	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	0	0	1	1	2	6	6	4	3	3	2	3	2	2	2	1	0	0	0	0	1	0	0	2
11	0	1	2	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	4	2	4	13	5	7	-	7	-	8	2	1	1	1	4	2	3
13	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	1	2	7	1	0	1	1	1	1
17	0	0	0	0	0	****	****	****	0	2	0	0	0	0	0	****	****	0	0	0	0	3	1	0	0
18	****	****	****	****	****	****	****	****	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
19	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	-	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	0	****	1	0	0	0	0	****	0	0	1	0	0	0	0	0	1	0
25	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	4	11	12	2	2	1	1	1	1	2
27	0	1	4	12	8	9	7	6	8	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	2	3	1	2	2	1	0	1	0	0	0	0	0	0	4	3	1
3	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	1	1	1	1	3	3	2	1
6	2	4	2	1	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	3	1	1	1	1	0	1
9	0	0	0	1	0	0	0	1	8	9	11	-	3	4	4	8	5	7	13	3	2	4	2	1	4
10	1	1	0	1	2	2	1	1	1	1	1	1	1	****	****	1	0	0	0	0	0	0	0	0	1
11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	4	1	1	1	1	1	1
14	0	0	1	1	1	3	2	1	0	0	0	0	0	1	1	1	1	3	4	9	5	4	3	7	2
15	3	2	1	2	3	2	1	1	2	2	3	2	2	2	1	1	1	0	2	1	1	1	0	0	2
16	0	0	0	0	0	0	1	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	****	****	****	4	2	0	4	2	0	0	0	1	****	****	1	0	1
18	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
19	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7	1	0	1	2	1
20	3	1	2	1	1	1	1	1	1	1	****	0	****	1	3	5	7	5	6	6	4	3	****	0	3
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	-	2	2	2	2	2	2	3	4	4	1	0	0	1	5	4	1
23	4	4	2	1	0	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
MEAN	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 71.6

PERCENTAGE OF DATA INVALID - 27.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

AUG 01, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	****	0	****	0	0	0	0	0	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	****	****	1	1	1	0	-	****	2	-	-	****	1	2	2	1	1	1	1	1	1	-	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	-	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	2	0	0	-	5	-	3	3	2	2	2	1	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	1	1	1	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0
18	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	-	0	0	0	1	1	1	0	0	0	****	0	0	0	0	0	0	0	1	1	1	0
22	1	1	1	0	0	0	0	0	0	2	3	2	3	2	2	2	0	0	1	0	0	****	0	0	1
23	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	****	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 94.4

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JUL 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	-	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	-	0	****	1	1	1	1	1	1	1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
14	0	1	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	1	1	1	1	0	0	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	1	0	1	1	1	1	-	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
17	0	1	1	1	0	1	1	1	1	1	0	1	0	0	1	0	1	0	1	1	****	****	1	1	1
18	1	0	1	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	-	0	0	0	0	0
19	0	0	0	0	1	1	1	1	1	0	****	****	1	0	0	1	1	1	0	1	2	2	1	1	1
20	1	0	0	0	0	0	0	0	1	1	****	1	****	1	0	1	0	8	1	0	0	0	****	1	1
21	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	0	1	0
22	0	1	0	1	0	0	0	1	-	0	0	1	0	1	1	1	1	0	0	1	1	0	1	1	1
23	0	1	0	1	0	0	1	1	1	****	1	0	0	0	1	0	1	-	0	1	0	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
29	0	0	****	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0
30	0	0	0	0	0	0	0	0	0	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	****	****	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

OCT 17, 1984

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18007

CONCESSION RD. 2, LOT A TIVERTON

MONTH - JUN 84

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1
5	1	2	1	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7	0	0	1	1	1	1	0	0	0	0	0	0	****	0	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
10	0	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1976 DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

JUL 03, 1985

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18407

CONCESSION RD. 2, LOT A TIVERTON

MONTH - JUL 84

HOJR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	****	1	1	1	1	1	1	2	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	0	0	0	1	1
14	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
16	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	****	****	1	1	1	1	1	0	0	0	0	0	1
18	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0-0" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 223 VALID DATA FOR DAILY MEAN IN ONE DAY

4. "DATA UNAVAILABLE" AND "DATA INVALID" ARE USED INTERCHANGEABLY FOR PRE-1975 DATA



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